

Zoological Record

Vol. 90, Sect. 17, 1953

AVES

COMPILED BY

Lt.-Col. W. P. C. TENISON, D.S.O.

LONDON
PUBLISHED BY
THE ZOOLOGICAL SOCIETY OF LONDON

PRICE SEVEN SHILLINGS AND SIXPENCE

NOVEMBER, 1954

SEPARATE SECTIONS OF THE ZOOLOGICAL RECORD

In addition to the complete bound volume, the separate Sections may be obtained singly, bound in printed paper covers.

The following are the Sections and their prices, viz. :—

					<i>s.</i>	<i>d.</i>
1. Comprehensive Zoology	...	...	...	...	2	6
2. Protozoa	...	...	...	...	7	6
3. Porifera	...	...	...	...	2	0
4. Coelenterata	...	...	...	...	4	0
5. Echinoderma	...	...	...	...	2	6
6. Vermes	...	...	...	...	10	0
7. Brachiopoda	...	...	...	...	3	0
8. Bryozoa	...	...	...	...	2	0
9. Mollusca	...	...	...	...	10	0
10. Crustacea	...	...	...	...	5	0
11. Trilobita	...	...	...	...	3	0
12. Arachnida	...	...	...	...	7	6
*13. Insecta	...	...	...	...	30	0
14. Protochordata	...	...	...	...	2	0
15. Pisces	...	...	...	...	7	0
16. Amphibia and Reptilia	...	...	...	...	7	6
17. Aves	...	...	...	...	7	6
18. Mammalia	...	...	...	...	7	6
19. List of New Genera and Subgenera	...	...	...	...	3	0

* Obtainable only from the Commonwealth Institute of Entomology, 41, Queen's Gate, London, S.W.7.

17. AVES

ARRANGED BY

LT-COL. W. P. C. TENISON, D.S.O.

CONTENTS

	PAGE
I. TITLES	1
II. SUBJECT INDEX	77
III. DISTRIBUTION	84
IV. SYSTEMATIC INDEX	87

I. TITLES

1.—Anon. Birds and their eggs. Instructions for Collectors. Ninth edn. British Museum (Natural History) London 1954 : 1-36 8 figs.

2.—Anon. Annual report of the Edward Grey Institute (April 1952 to April 1953) Brit. Trust Orn. 19th annual report : 32-48.

3.—Anon. Birds of the London area 1952. Lond. Bird Rep. No. 17 1953 : 6-37 1 pl.

4.—Anon. Editorial. Brit. Birds **46** 1953 : 1-3.

5.—Anon. Birds with abnormal bills. Brit. Birds **46** 1953 : 254 pl.

6.—Anon. Pallid Harrier in Yorkshire. Brit. Birds **46** 1953 : 259.

7.—Anon. Woodchat Shrikes in London (Surrey), Great Saltee (Co. Wexford), Lundy and Orkney. Brit. Birds **46** 1953 : 305.

8.—Anon. Nightingale as foster-parent of young Cuckoo. Brit. Birds **46** 1953 : 455.

9.—Anon. [Bird Notes]. Rep. Bryanston Sch. nat. Hist. Soc. **1946** : 5-17 **1948** : 4-13.

10.—Anon. Report on birds 1947, 1949-52. Rep. Bryanston Sch. nat. Hist. Soc. **1947, 1949-52**.

11.—Anon. [Bird Notes]. Rep. Cheltenham Coll. nat. Hist. Soc. 1952 : 2, 5, 7.

12.—Anon. [Bird Notes]. Rep. Gresham's Sch. nat. Hist. Soc. No. 30-31 1953 : 36-40.

13.—Anon. Rep. Huntingdon. Fauna Fl. Soc. Nos. 4 [1952] : 5. No. 5 [1953].

14.—Anon. Notornis reported seen in 1910. Notornis **5** 1953 : 83.

15.—Anon. Notes on Notornis 1951-52. Notornis **5** 1953 : 144-148 fig.

16.—Anon. Twenty-eighth supplement to the American Ornithologists' Union Check-list of North American birds. Auk **70** 1953 : 359-361.

17.—Anon. Bibliography of publications relating to the Delaware Valley region and the New Jersey coast. Cassinia **1951-1952** : 35-36.

18.—Anon. Christmas bird census, 1952. Canad. Fld. Nat. **67** 1 1953 : 32-39.

- 19.—**Anon.** Literature concerning birds in British Columbia. Victoria B.C. (Provincial Museum) n.d. pp. 8.
- 20.—**Anon.** Weka (New Zealand Woodhen). For. & Bird No. 103 1952 : 3 col. pl.
- 21.—**Anon.** Bellbird (Korimako). For. & Bird No. 105 1952 : 4 col. pl.
- 22.—**Anon.** Les oiseaux naturalisés du Musée de Papeete. Bull. Soc. Étud. océanien. 8 1 1952 : 423-424.
- 23.—**Anon.** The work of some oologists in the field in 1953. Oolog. Rec. 27 1953 : 60-66.
- 24.—**Abs, M.** Der Gesang der Vögel. Orn. Mitt. 5 1953 : 141-149.
- 25.—**Abdulali, H.** Finn's Baya (*Ploceus megarhynchus* Hume). J. Bombay nat. Hist. Soc. 51 1952 : 200-204.
- 26.—**Abdulali, H.** More about Vizagapatam birds. J. Bombay nat. Hist. Soc. 51 1953 : 746.
- 27.—**Adamson, B.** Notes on the Green Glossy Starling. Avicult. Mag. 59 1953 : 46-53 fig.
- Aitken, H. E.** see McCallion.
- 28.—**Alcorn, J. R.** Food of the Common Merganser in Churchill County, Nevada. Condor 55 1953 : 151.
- 29.—**Aldrich, J. W.** Habits and habitat differences in two races of Traill's Flycatcher. Wilson Bull. 65 1 1953 : 8-11.
- 30.—**Alessandri, M.** Su un caso di albinismo e melanismo in *Pyrrhula pyrrhula europaea* Vieill. Riv. ital. Orn. 23 1953 : 68.
- 31.—**Alexander, G. V.** and **Schjeide, O. A.** Studies of the New Hampshire chicken embryo. I. The red blood cell. Anat. Rec. 115 1953 : [abs.] 383.
- 32.—**Alexander, H. G.** Buff-breasted Sandpiper in Northamptonshire. Brit. Birds 46 1953 : 215.
- 33.—**Alexander, H. G.** Migrants seen between Port Said and Bombay. Ibis 95 1953 : 701.
- 34.—**Alexander, H. G.** President—Birmingham and West Midland Bird Club. West Midland Bird Rep. 18 & 19 1953.
- 35.—**Alexander, H. G.** Rednecked Phalarope near Delhi. J. Bombay nat. Hist. Soc. 51 2 1953 : 507.
- 36.—**Alexander, W. B.** An annotated list of the birds of Berkshire, Oxford (Oxford Ornith. Soc.) 1952 pp. 42.
- 37.—**Alexander, W. B.** The index of Heron population, 1952. Brit. Birds 46 1953 : 100-103.
- 38.—**Alexander, W. B.** The ornithology of inn signs. Bird Notes 26 1 1952 : 26-29.
- 39.—**Alexander, W. B.** Ornithological illustration. Endeavour 12 47 1953 : 144-153 19 figs.
- 40.—**Alexander, W. B.** Obituary: Dr. Norman Joy. Ibis 95 1953 : 544.
- 41.—**Ali, S.** The Keoladeo Ghana of Bharatpur (Rajasthan). J. Bombay nat. Hist. Soc. 51 3 1953 : 531-536.
- 42.—**Allee, W. C.** Dominance and hierarchy in societies of vertebrates. Colloq. int. Cent. nat. Rech. sci. 34 1952 : 157-181 4 pls.
- Allee, W. C.** see Potter.
- 43.—**Allen, A. E.** The Canadian Lakehead. Flicker, Minnesota 25 2 1953 : 75-78.
- 44.—**Allen, A. E.** A list of the birds of Port Arthur—Fort William and vicinity. Flicker, Minnesota 25 1953 : 99-104.
- 45.—**Allen, R. P.** Help wanted for the Whooping Crane. Audubon Mag. 55 1953 : 210-212, 224 figs.
- 46.—**Allen, F. G. H.** Further notes on birds nesting at Fraser's Hill. Malay nat. J. 8 1953 : 16-22 4 pls. also pp. 27-29.
- Allen, V. G.** see Kingsbury.
- 47.—**Allison, A. C.** The morphology of the olfactory system in the vertebrates. Biol. Rev. 28 2 1953 : 195-244 9 figs.
- 48.—**Allouse, B. E.** The avifauna of Iraq. Publ. Irak nat. Hist. Mus. No. 3 1953 : vii + 163 map.
- 49.—**Altevogt, R.** Über das "Schöpfen" einiger Vogelarten. Behaviour 6 1953 : 147-152 2 pls.

- 50.—**Altevogt, R.** Untersuchungen über das optische Differenzierungsvermögen der Amsel, *Turdus merula* L. J. Orn. **94** 1953 : 220-251.
- 51.—**Altner, H.** Waldohreulen sitzen nicht immer in Stammnähe. Orn. Mitt. **5** 1953 : 97.
- 52.—**Amadon, D.** Avian systematics and evolution in the Gulf of Guinea. The J. G. Correia collection. Bull. Amer. Mus. nat. Hist. **100** 3 1953 : 393-452 4 pls. 1 fig.
- 53.—**Amadon, D.** Migratory birds of relict distribution ; some inferences. Auk **70** 1953 : 461-469.
- 54.—**Amadon, D.** Remarks on the Asiatic Hawk-eagles of the genus *Spizaetus*. Ibis **95** 1953 : 492-500.
- 55.—**Amadon, D.** Further remarks on the Cracticidae. S. Aust. Orn. **21** 1953 : 6-7.
- 56.—**Amadon, D.** A bird new to Palawan. Philipp. J. Sci. **81** 2 1953 : 139.
- 56a.—**Amann, F.** Beobachtungen am Berglaubsänger, *Phylloscopus bonelli*, im Basler Jura. Orn. Beob. **50** 1953 : 157-168 4 pls.
- Amann, F.** see Sutter.
- 57.—**Amberg, R.** Das Wauwilermoos als früheres Heim der Vogelwelt. Orn. Beob. **50** 1953 : 101-131 6 figs.
- 58.—**Ancel, P.** Sur les rapports de l'axe céphalo-caudal de l'embryon de Poule avec le grand axe de l'oeuf. C.R. Acad. Sci. Paris **236** 1953 : 2285-2288.
- 59.—**Andersen, S. B.** Track af fuglelivet paa den fynske ogruppe. Fyns Flora og Fauna **1** 1943 : 89-99 figs.
- 60.—**Anderson, W.** and **Miller, A. W.** Hybridization of Cinnamon and Blue-winged Teal in north eastern California. Condor **55** 1953 : 152.
- 61.—**Andersson, W.** and others [Swedish bird notes—summaries]. Vår Fågelv. **12** 1953 : 82-84.
- 62.—**Andres, G.** Experiments on the fate of dissociated embryonic cells (chick) disseminated by the vascular route. Part II. Teratomas. J. exp. Zool. **122** 1953 : 507-539 5 figs.
- 63.—**Andrew, D. G.** Editor. Edinb. Bird Bull. **3** & **4** 1953.
- 64.—**Andrews, T.** and others. Summarised classified notes. Notornis **5** 1953 : 85-105.
- 65.—[**Anorova, N. S.**] [Embryonic development of chicken in connection of the age of parents]. C.R. Acad. Sci. URSS. N.S. **91** 4 1953 : 981-983 [in Rum.].
- 66.—**Ara, J.** Field notes on the birds of the Kolhan Forest Division (Singbhum District, Bihar). J. Bengal nat. Hist. Soc. **26** 1 1953 : 9-20, 56-57.
- Arbib, R. S.** see Elliott.
- 67.—**Armington, S.** Svensk fågellitteratur 1951 and 1952. Vår Fågelv. **11** 1952 : 102-114, **12** 1953 : 179-190.
- 68.—**Armstrong, E. A.** Territory and birds. A concept which originated from study of an extinct species. Discovery **14** 7 1953 : 223-224.
- 69.—**Armstrong, E. A.** The behaviour and breeding biology of the Hebridean Wren. Brit. Birds **46** 1953 : 37-50.
- 70.—**Armstrong, E. A.** The history, behavior and breeding biology of the St. Kilda Wren. Auk **70** 1953 : 127-150.
- 71.—**Armstrong, E. A.** Effective distraction display by Mallard. Brit. Birds **46** 1953 : 410.
- 72.—**Armstrong, E. A.** Nidicoles and parasites of the Wren. Irish Nat. J. **11** 3 1953 : 57-64.
- Armstrong, E. A.** see Whitehouse.
- 73.—**Armstrong, E. A.** and **Westall, P. R.** The song-flights of some northern birds. Ibis **95** 1953 : 143-145.
- Arn, H.** see Lack.
- 74.—**Arné, P.** Passages de migrants dans les Landes. Alauda **21** 1953 : 240-244.
- 75.—**Arnold, D. A.** The relationship between Ringnecked Pheasant and red fox population trends. Pap. Mich. Acad. Sci. **37** 1952 : 121-127 2 figs.
- 76.—**Arnold, J. W.** Breeding bird census 1952 [on private estate in Quebec]. Can. Fld. Nat. **67** 1953 : 180.

77.—**Aronsson, J.** Studies on the cell differentiation in the anterior pituitary of the chick embryo by means of the PAS reaction. *Acta Univ. lund. N.S.* 67 48 11 1952 : 1-20 8 figs.

78.—**Arthur, D. R.** Extinct and rare animals. *Discovery* 15 1 1954 : 7-11 12 figs.

79.—**Artimo, A.** The Finnish zoological literature in 1951. *Arch. Soc. zool.-bot. fenn. Vanamo* 7 1 1952 : 21-29.

80.—**Artimo, A.** The Finnish zoological literature in 1952. *Arch. Soc. zool.-bot. fenn. Vanamo* 8 1 1953 : 17-30.

81.—**Aschenborn, C.** Zu "See-adler und der Havel in Berlin" (*Orn. Mitt.* 1951, Nr. 10). *Orn. Mitt.* 5 1953 : 34 fig.

82.—**Assenmacher, I.** Étude anatomique du système artériel cervico-céphalique chez l'oiseau. *Anat., Strasbourg* 35 3-8 1953 : 181-202 5 figs.

83.—**Astrup, F. R.** Vandstaeren som dansk Yngleflugl. *Flora og Fauna* 59 1-3 1953 : 52-54 2 figs.

Atkeson, T. Z. *see* Hulse.

84.—**Auber, L.** and **Hill, W. C. O.** Examples of hybridization between two species of Macaw (*Ara*). *Proc. roy. Soc. Edinb.* 65B 1 1953 : 117-120 1 fig.

85.—**Augur, H.** and others. Some photographic studies of the Peregrine. *Brit. Birds* 46 1953 : 55-56 8 pls.

86.—**Aureliaan, B.** De Muisvogel *Colinus striatus*. *Bull. Cercl. zool. cong.* 21 1953 : 15-18 fig.

87.—**Aurelien, R. F.** Le nectarin noir à longue queue. *Zooleo N.S.* No. 18 1953 : 449-452 2 figs.

88.—**Austen, W. M.** Palm-nut Vultures, *Gypohierax angolensis* in Raphia palms at Mtunzini, Zululand. *Ostrich* 24 1953 : 98-102.

89.—**Austin, C. N.** The Black Falcon and some other raptors in south-west Victoria. *Emu* 53 1953 : 77-80.

90.—**Austin, C. N.** [and others]. Stray Feathers.—Swift Parrot in south-west Victoria [and other Australian bird notes]. *Emu* 53 1953 : 260-268.

91.—**Austin, O. L. Jr.** A Common Tern at least 23 years old. *Bird-Banding* 24 1953 : 20.

92.—**Austin, O. L. Jr.** The migration of the Common Tern (*Sterna hirundo*) in the Western Hemisphere. *Bird-Banding* 24 1953 : 39-55 figs.

93.—**Austin, O. L. Jr.** and **Kuroda, N.** The birds of Japan, their status and distribution. *Bull. Mus. comp. Zool. Harv.* 109 1953 : 277-637 map.

Aveledo, H. *see* Gines.

94.—**Aveledo, R.** and **Gines, R. H.** Cuatro aves nuevas y dos extensiones de distribucion para Venezuela, de Perija. *Noved. cient. Mus. Hist. nat. Caracas (Zool.)* No. 6 1952 : 1-15. col. pl.

95.—**Aveledo, H. R.** and **Pons, H.** Un ave nueva de la region de Perija. *Mem. Soc. Cienc. nat. La Salle* 13 35 1953 : 203-206.

95a.—**Aveledo, R.** and **Pons, A. R.** Aves nuevas y extensiones de distribucion a Venezuela. *Noved. cient. Mus. Hist. nat. Caracas (Zool.)* No. 7 1952 : 1-23 col. pl.

96.—**Axbey, H. W.** Notes on Black Teal nests. *Notornis* 5 1953 : 105.

97.—**Baan, G. van der.** Het jaarlijks verloop van het ochtenden avondkoor van de Merel. *Levende Nat.* 56 1953 : 193-199 fig.

98.—**Babbe, R.** Vermehrtes Auftreten der Sumpfohreule (*Asio flammeus*) an der Westlichen Ostsee. *Orn. Mitt.* 5 1953 : 134.

99.—**Bachkiroff, Y.** Le moineau steppique au Maroc. *Service de la défense des Vegetaux*, No. 3. *Rabat* 1953 pp. iii + 135 2 pls. 8 figs.

100.—**Bäck, R.** and others. [Finnish bird notes, with English summaries]. *Ornis fenn.* 30 1953 : 18-30, 67-76.

101.—**Bagg, A. M.** and **Parker, H. M.** Further information on the Turkey Vulture (*Cathartes aura*) in New England and eastern Canada. *Auk* 70 1953 : 490.

102.—**Baggs, J. W.** Re-discovery of the Ground Parrot at the Bow River. *W. Aust. Nat.* 3 8 1953 : 198.

103.—Bährmann, U. Ein Beitrag zur Biologie der Elster (*Pica pica pica* (L.)). Bonn. zool. Beitr. **3** 1952 : 289–304.

104.—Bailey, A. L. Eastern race of Yellow-bellied Sapsucker in Colorado. Condor **55** 1953 : 219.

105.—Bailey, A. M. Green-throated Loon (*Gavia arctica viridigularis*) in southeastern Alaska. Auk **70** 1953 : 200.

106.—Bailey, L. Accidental trapping of a Pied-billed Grebe. Bird-Banding **24** 1953 : 69.

107.—Bailey, R. E. Accessory reproductive organ of male fringillid birds : seasonal variations and response to various sex hormones. Anat. Rec. **115** 1953 : 1–19 11 figs.

108.—Bailey, R. E. Radiosurgery and uptake of radioactive iodine by the thyroid of the Oregon Junco. Auk **70** 1953 : 196–199 pl.

109.—Bailey, R. E. Surgery for sexing and observing gonad condition in birds. Auk **70** 1953 : 497.

110.—Baker, M. F. Prairie chickens of Kansas. Misc. Publ. Mus. nat. Hist. Univ. Kansas **5** 1953 : 1–68 4 pls. 15 figs.

Baker, R. H. see Robinson.

Baldwin, P. H. see Richards.

111.—Ball, S. C. Fall bird migration on the Gaspé Peninsula. Bull. Peabody Mus. No. **7** 1952 : i–vii, 1–211 2 pls., 33 figs.

112.—Banfield, A. W. F. Notes on the birds of Kluane Game Sanctuary, Yukon territory. Canad. Fld. Nat. **67** 1953 : 177–179.

113.—Banfield, A. W. F. Additional to the list of Banff National Park birds. Canad. Fld. Nat. **67** 1953 : 179–180.

114.—Bannerman, D. A. The Birds of West and Equatorial Africa. Vols. 1–2. Edinburgh & London (Oliver and Boyd) 1953. Pp. 1526 54 pls. 433 figs.

115.—Bannerman, D. & J. A second journey to the Moroccan Sahara (in 1952) and over the Great Atlas. Ibis **95** 1953 : 128–139.

116.—Bannerman, D. and J. W. M. An ornithological journey in Morocco in 1951. Trav. Inst. sci. Chérifien No. **10** 1953 : 1–68 map.

117.—Bannerman, D. A. [and Lodge, G. E.]. The Birds of the British Isles. Edinburgh and London (Oliver and Boyd) 1953 : vol. 1 xviii + 356 41 col. pls. vol. 2 viii + 301 41 col. pls.

118.—Barbig, H. T. and others. Sandhill Cranes at Memphis [and other local bird notes]. Migrant, Tennessee **24** 1953 : 11–18.

119.—Barnes, J. A. G. The migrations of the Lesser Black-backed Gull. Brit. Birds **46** 1953 : 238–252.

120.—Barnes, R. E. and Peirson, G. Wiltshire bird notes for 1952. Wiltsh. archaeol. nat. Hist. Mag. **55** 198 1953 : 42–58.

121.—Barnikol, A. Vergleichend anatomische und taxonomisch phylogenetische Studien am Kopf der Opisthocomiformes, Musophagidae, Galli, Columbidae und Cuculi. Zool. Jb. Syst. **81** 1953 : 487–526 17 figs.

122.—Barraud, E. M. Sexual behaviour occurring as overflow activity in juvenile House Sparrow. Brit. Birds **46** 1953 : 382.

123.—Barruel, P. Vie et mœurs des Oiseaux. Paris (Horizons de France) 1953 [N.V.].

124.—Barruel, P. Pages d'initiation XVII, Jusqu'où habitent les oiseaux de nos pays ? Nos Oiseaux **22** 1953 : 43–46 figs.

125.—Barth, E. K. Body temperature of the young of Gulls (*Larus*). [English summary]. Nytt Mag. Naturv. **88** 1951 : 213–245 12 figs.

124.—Barth, E. K. Calculation of egg volume based on loss of weight during incubation. Auk **70** 1953 : 151–159.

Barth, E. K. see Hagen.

127.—Bartholomew, G. A. and Dawson, W. R. Respiratory water loss in some birds of southwestern United States. Physiol. Zool. **26** 1953 : 162–166.

- 128.—Bartholomew, G. A. Jr., Dawson, W. R. and O'Neill, E. J.** A field study of temperature regulation in young white pelicans, *Pelecanus erythrorhynchos*. *Ecology* **34** 3 1953 : 554-560 2 figs.
- 129.—Bartlett, T. L.** Birds of the Ruislip area. *J. Ruislip nat. Hist. Soc. No. 2* 1953 : 13-14.
- 130.—Bagenal, T. B.** The birds on St. Kilda, 1952. *Scot. Nat.* **65** 1 1953 : 19-24.
- 131.—Bassett, B. B.** One Grey Wagtail killing another. *Brit. Birds* **46** 1953 : 379.
- 132.—Bastia, A.** Due parole sulla Tortora dal collare. *Riv. ital. Orn.* **23** 1953 : 71.
- 133.—Bastin, E. W.** Ivory Gulls in western Lake Ontario. *Wilson Bull.* **65** 1953 : 207.
- 133a.—Bastock, M., Morris, D. and Moynihan, M.** Some comments on conflict and thwarting in animals. *Behaviour* **6** 1953 : 66-84.
- 134.—Batts, H. L.** Siskin and Goldfinch feeding at Sapsucker tree. *Wilson Bull.* **65** 1953 : 198.
- 135.—Batts, H. L. Jr.** Bird nest identification in winter. *Jack-Pine Warbler* **31** 1953 : 132-137.
- 136.—Bauer, K.** Weitere Ausbreitung des Blutspechts (*Dendrocopos syriacus*) in Österreich. *J. Orn.* **94** 1953 : 300-303 pl.
- 137.—Bauer, K.** Winterpaare bei Feldsperling und Kernbeisser. *Orn. Mitt.* **5** 1953 : 224-225.
- 138.—Baumel, J. J.** Wing claws in the White-necked Crow (*Corvus leucognaphalus*). *Auk* **70** 1953 : 373.
- 139.—Baumel, J. J.** Individual variation in the White-necked Raven. *Condor* **55** 1953 : 26-32.
- 140.—Baxter, E. V. and Rintoul, L. J.** The birds of Scotland, their history distribution and migration. 2 vol. Edinburgh and London (Oliver and Boyd) 1953 Vol. 1 Pp. liii + 352 frontis. col. 11 pls., Vol. 2 pp. 353-763 frontis. col. 12 pls.
- 141.—Beckett, E.** Starling nesting at Churchill, Manitoba. *Canad. Fld. Nat.* **67** 1 1953 : 44.
- 142.—Beckmann, K. O.** Klippenstrandläufer (*Calidris maritima*) am Ostseestrand. *Orn. Mitt.* **5** 1953 : 113.
- 143.—Beckmann, K. O.** Fluggeräusch bei der Trauerente (*Melanitta nigra*). Ansammlung von Sumpfohreulen am Ostseestrand. *Orn. Mitt.* **5** 1953 : 134-135.
- 144.—Beckmann, K. O.** Rotrückengewürger (*Lanius collurio*) mit weissen Flügelspiegeln. *Orn. Mitt.* **5** 1953 : 215.
- 145.—Bedford, Duke of.** Breeding notes at Woburn 1952 & 1953. *Avicult. Mag.* **59** 1953 : 12-15, 182-186.
- 146.—Beebe, F. L.** The Yellow shafted Flicker. Piliated Woodpecker. *Victoria Nat.* **9** 4 1952 : 40-41.
- 147.—Beebe, W.** Introduction to the ecology of the Arima Valley, Trinidad, B.W.I. *Zoologica, N.Y.* **37** 1952 : 157-183 5 pls. 5 figs.
- 148.—Beecher, W. J.** A phylogeny of the Oscines. *Auk* **70** 1953 : 270-333 18 figs.
- 149.—Beecher, W. J.** Feeding adaptations and systematics in the avian order Piciformes. *J. Wash. Acad. Sci.* **43** 1953 : 293-299 figs.
- 150.—Beer, J. R.** The Screech Owl as a predator on the Big Brown Bat. *J. Mammal.* **34** 1953 : 384.
- 151.—Behle, W. H. and Selander, R. K.** The plumage cycle of the California Gull (*Larus californicus*) with notes on color changes of soft parts. *Auk* **70** 1953 : 239-260 2 pls.
- 152.—Behrend, F. W.** Second record of Eastern Snow Bunting in Big Bald Mountain in east Tennessee. *Migrant Tennessee* **52** 1953 : 85.
- 153.—Bellrose, F. C.** Housing for Wood Ducks. *Circ. Ill. nat. Hist. Surv. No.* **45** 1953 : 1-47 figs.
- 154.—[Berne, L. B.]** The life of birds in our home. Moskva, 1951 : 1-231.] See D.S.I.R. No. 45 p. 72.
- 155.—Beneden, A. van.** Les milieux ornithologiques en Belgique. La Heid des Gattes. *Gerfaut* **43** 1953 : 15-18.

- 156.—**Beneden, A. van.** Déplacements des Accenteurs Mouchets en période de migration. *Gerfaut* **43** 1953 : 153-157.
- 157.—**Beneden, A. van.** Commentaires relatifs à la migration de la Bergeronnette jaune. *Gerfaut* **43** 1953 : 174-177.
- 158.—**Bennett, H. S. and Porter, K. R.** An electron microscope study of sectioned breast muscle of the domestic fowl. *Amer. J. Anat.* **93** 1 1953 : 61-105 8 figs.
- 159.—**Benoit, F.** Notes de passage au Col du Hahnenmoos. *Nos Oiseaux* **22** 1953 : 91-92.
- 160.—**Benoit, J. and Clavert, J.** Différenciation et comportement des ostéoclastes chez les oiseaux. *Arch. Anat., Strasbourg* **34** 1952 : 63-70 1 pl.
- 161.—**Benson, C. W.** A check list of the birds of Nyasaland (including data on ecology and breeding seasons). Blantyre and Lusaka (Nyasaland Soc.) 1953 : Pp. vi + 118 1 map.
- 162.—**Benson, C. W.** Zoological results of a fifth expedition to East Africa. Appendix on the avifauna. *Bull. Mus. Comp. Zool. Harv.* **110** 1953 : 481-487.
- 163.—**Benson, C. W.** Breeding of *Lamprolaima meesii*. A correction. The status of *Erythropgia zambesiana* Sharpe. *Ostrich* **24** 1953 : 121-122.
- 164.—**Bent, A. C.** Life histories of North American Wood Warblers. *Bull. U.S. nat. Mus.* No. 203 1953 : 1-734 83 pls.
- 165.—**Berger, A. J.** On the locomotor anatomy of the Blue Coua, *Coua caerulea*. *Auk* **70** 1953 : 49-83 8 figs.
- 166.—**Berger, A. J.** Remains of banded birds found in Screech Owl pellets. *Bird-Banding* **24** 1953 : 19.
- 167.—**Berger, A. J.** Reaction of female Horned Larks to banded young. *Bird-Banding* **24** 1953 : 19.
- 168.—**Berger, A. J.** Green Frog catches young Phoebe. *Bird-Banding* **24** 1953 : 67.
- 169.—**Berger, A. J.** A winter recovery of a banded Killdeer. *Bird-Banding* **24** 1953 : 109.
- 170.—**Berger, A. J.** Protracted incubation behavior of a female American Goldfinch. *Condor* **55** 1953 : 157.
- 171.—**Berger, A. J.** Three cases of twin embryos in Passerine birds. *Condor* **55** 1953 : 157.
- 172.—**Berger, A. J.** Bibliography of Michigan Warblers with special reference to the period 1943-1952. *Jack-Pine Warbler* **31** 1953 : 55-60.
- 173.—**Berger, A. J.** The pterylosis of *Coua caerulea*. *Wilson Bull.* **65** 1953 : 12-17 2 figs.
- 174.—**Bergman, G.** Über die Auswirkung einer mangelhaften Anpassung der Lachmöwe, *Larus ridibundus*, zur Meeres milieu. *Ornis fenn.* **30** 1953 : 77-80.
- 175.—**Bergman, G.** Über Flughöhenreaktionen der ziehenden Taubenschwärme an der Küste. *Ornis fenn.* **30** 1953 : 83-85.
- 176.—**Bergmann, W.** Luftkampf zwischen Kolkrabe und Krähen. *Orn. Mitt.* **5** 1953 : 73.
- 177.—**Bergmann, W.** Geschwisterhe und Führung der mutterlosen Brut durch den Erpel der Stockente (*Anas platyrhynchos*). *Orn. Mitt.* **5** 1953 : 109-110.
- 178.—**Bergstrom, E. A.** Evening Grosbeak banded in Connecticut, recovered in Manitoba. *Bird-Banding* **24** 1953 : 108.
- 179.—**Bergstrom, E. A.** The Rough-winged Swallow at South Windsor, Conn. *Bird-Banding* **24** 1953 : 108.
- 180.—**Berlioz, J.** Remarques sur la repartition dans le monde et les adaptations des oiseaux nectarivores. *C.R. Soc. Biogéogr.* **29** 253 1952 : 112-117.
- 181.—**Berlioz, J.** Etude d'une collection d'Oiseaux du Gabon. *Bull. Mus. Hist. nat., Paris* (2) **25** 2 1953 : 130-138.
- 182.—**Berlioz, J.** Le parasitisme chez les Coucous. *Nature, Paris* No. 3222 1953 : 310-313 6 figs.
- 183.—**Berlioz, J.** Note systématique sur le Torcol à gorge rousse (*Jynx ruficollis* Wagler). *Oiseaux, Paris* **23** 1953 : 63-67.

184.—**Berlioz, J.** Quelques observations ornithologiques au cours d'un voyage en pays Caraïbes. Oiseau, Paris 23 1953 : 125-141.

185.—**Berlioz, J.** Humming-birds. Endeavour 12 48 1953 : 186-189 2 col. pls.

186.—**Berlioz, J.** and **Phelps, W. H. Sr.** Description d'une sous-espèce nouvelle de Trochilidé du Vénézuéla. Oiseau, Paris 23 1953 : 1-3.

187.—**Berndt, R.** Eine alta Spate-lraubmöwe, *Stercorarius pomarinus* (Temm.), am Steinhuder Meer. Beitr. Naturh. Niedersachs. 6 1 1953 : 10.

188.—**Berndt, R.** and **Reinecke, R.** Erstnachweis des Odinswasser-treters, *Phalaropus lobatus* (L.) für das Braunschweiger Hügelland. Orn. Mitt. 5 1953 : 6.

189.—**Bernhoft-Osa, A.** Ringmerkingresultater fra Revtingen på Jaeren i 1952. Stavanger Mus. Årb. 1952 1953 : 87-96 [English Summary].

190.—**Bernström, J.** Har en asgam, *Neophron percnopterus percnopterus* (L.), i mitten av 1700-talet tillvaratagits i Norge? Vår Fågelv. 12 1953 : 171-179.

191.—**Bettmann, H.** Winterbeobachtung eines Hausrotschwanzes. Orn. Mitt. 5 1953 : 36.

192.—**Bettmann, H.** Vererbung von Albinismus. Orn. Mitt. 5 1953 : 154.

193.—**Bettmann, H.** Folgen von Insektenmangel bei Mauerseglern und Schwalben? Orn. Mitt. 5 1953 : 171-172.

194.—**Bettmann, H.** Schneeball-beeren als Vogelnahrung. Orn. Mitt. 5 1953 : 214.

195.—**Betts, F. N.** Birds nesting on telegraph wires. J. Bombay nat. Hist. Soc. 51 1952 : 271.

196.—**Beusekom, G. van.** Pape-gaaiduikers en Gekuijfte aalscholvers. Levende Nat. 56 1953 : 181-187 6 figs.

197.—**Bevan, G.** Further observations on the bird population of an oak-wood in Surrey (Eastern Wood, Bookham Common). Lond. Nat. No. 32 1953 : 51-77 2 pls. 11 figs.

198.—**Beyer, W.** Doppelnest bei der Kohlmeise (*Parus major*). Orn. Mitt. 5 1953 : 33 figs.

199.—**Biaggi, V. Jr.** A record of the Green-winged Teal (*Anas carolinensis*) from Puerto Rico. Auk 70 1953 : 85.

200.—[**Bibikov, D. I.** Some observations on *Turnix tanki blanfordii* Bogd. in Premore Land]. Bull. Soc. Nat. Moscow 57 (5) 1952 : 38-39.

200a.—**Bierman, W. H.** and **Voous, K. H.** Birds observed and collected during the whaling expeditions of the "Willem Barendsz" in the antarctic. 1946-1947 and 1947-1948. Pp. 123 1 chart 15 figs. Leiden (E. J. Brill) 1950.

201.—**Biet, H.** Weisse Bachstelze (*Motacilla a. alba* L.) und Gartenrotschwarz (*Phoenicurus ph. phoenicurus* L.) legen in ein Nest. Beitr. Naturh. Niedersachs. 6 1 1953 : 11-12.

202.—**Binns, G.** Birds of Terang, south-western Victoria. Emu 53 1953 : 211-221 2 pls.

203.—**Binns, G.** Proceedings of the annual congress of the R.A.O.U., Brisbane, Queensland, 1953 [and reports]. Emu 53 1953 : 305-319.

204.—**Bird Preservation.** 8th Conference at Uppsala, June 8-10, 1950. Bull. int. Comm. Bird Preservation 6 1952 : 1-248.

205.—**Blackford, J. L.** Bird records from north western Montana. Condor 55 1953 : 277-278.

206.—**Blackford, J. L.** Breeding haunts of the Stephens Whip-poor-will. Condor 55 1953 : 281-286 3 figs.

207.—**Blake, C. H.** Turnover ratios. Bird-Banding 24 1953 : 7-11.

208.—**Blake, C. H.** Reapplying bands. Notes on the Rough-winged Swallow. Bird-Banding 24 1953 : 107.

209.—**Blake, C. H.** An overall analysis of return rates. Bird-Banding 24 1953 : 144-146.

210.—**Blake, E. R.** A Colombian race of *Tinamus osgoodi*. Fieldiana Zool. 34 1953 : 199-200.

211.—**Blanchet, A.** Oiseaux de Tunisie. I—Région de Sousse et Sahel. Mém. Soc. Sci. nat. Tunis No. 1 1951 : xi + 107 14 pls.

212.—**Blancou, J.** Première capture de *Calandrella cinerea* (Gm.) en Afrique française. Oiseau, Paris 23 1953 : 304.

213.—**Blancou, L.** Esquisse zoogeographique (mammifère et oiseaux) de l'Onbangui-Chari. C.R. Soc. Biogéogr. 24 206-208 1947 : 30-33.

214.—**Bleakney, S.** Starlings in the Ungava District, Quebec Province. Canad. Fld. Nat. 67 1953 : 44.

215.—**Blezard, E.** The food of birds. Trans. Carlisle nat. Hist. Soc. 8 1954 : 75-101.

216.—**Blezard, E.** The birds of Lakeland. A second supplement. Trans. Carlisle nat. Hist. Soc. 8 1954 : 102-135 1 pl.

217.—**Blivaiss, B. B.** Response of comb and plumage in thyroidectomized Brown Leghorn hens to hormone administration. Amer. J. Anat. 89 1951 : 381-404 16 figs.

218.—**Blomgren, A., Lundgren, S. and Öhrn, B.** Studies of some species rarely photographed. LII. Hawk Owl and Ural Owl. Brit. Birds 46 1953 : 398 8 pls.

219.—**Blomgren, A. and Öhrn, B.** Studies of some species rarely photographed. XLVII. Tengmalm's Owl. Brit. Birds 46 1953 : 15 2 pls.

220.—**Blyth, J. S. S.** March egg number in inbred and first cross. Brown Leghorns. Heredity 7 1 1953 : 23-30.

221.—**Blyth, J. S. S.** Shank length : segregation in an unselected character in inbred lines of fowls. Heredity 7 3 1953 : 433-434.

222.—**Blyth, J. S. S. and Hale, R. W.** Unilateral defective feathering in a purebred pullet. J. Hered. 44 5 1953 : 181-183 fig.

Bockmann, H. see Speyer.

223.—**Bodenstein, G.** Auftreten einer *hispaniolensis*-ähnlichen Kopfzeichnung bei einem mitteleuropäischen Haussperling. Orn. Mitt. 5 1953 : 72 fig.

224.—**Bodenstein, G.** Singflug auch beim Buchfinken (*Fringilla coelebs*). Orn. Mitt. 5 1953 : 98.

225.—**Bodenstein, G.** Sumpfrohrsänger spottet Seidenrohrsänger. Zur Winternahrung des Buchfinken, des Stars, der Amsel und des Rotkehlchens. Orn. Mitt. 5 1953 : 133-134.

226.—**Bodenstein, G.** Alpensegler (*Microtus melba*) bei Ingelheim. Orn. Mitt. 5 1953 : 154.

227.—**Bodenstein, G.** Weissbürlzelige Rauchschnalbe (*Hirundo rustica*). Orn. Mitt. 5 1953 : 171.

228.—**Bodenstein, G.** Eigenartiger Singplatz einer Haubenlerche. Orn. Mitt. 5 1953 : 191.

229.—**Bodenstein, G.** Stimmäuserungen des Prachtauchers (*Colymbus arcticus*). Orn. Mitt. 5 1953 : 192.

230.—**Bodenstein, G.** Wiesenstelze (*Motacilla flava*) als Ödlandbewohner. Rauchschnalben Vertilgen Eichenwicklerlarven. Orn. Mitt. 5 1953 : 213.

Bodenstein, G. see Murr.

231.—**Boehm, E. F.** Water birds of the Mount Mary Plains, South Australia. Emu 53 1953 : 291-295.

232.—**Boer, P. J. den.** On the correlation between the cervical muscles and the structure of the skull in *Phasianus colchicus* L. and *Perdix perdix* L. I. Proc. Acad. Sci. Amst. 56C 3 1953 : 335-345 15 pls.

233.—**Boer, P. J. den.** On the correlation between the cervical muscles and the structure of the skull of *Phasianus colchicus* L. and *Perdix perdix* L. II. III. Proc. Acad. Sci. Amst. 56C 4 1953 : 455-473 47 figs.

234.—**Boetticher, H. von.** Die Widahvögel und Witwen, Pp. 88 3 pls. 20 figs. also Gänse-und Entvögel aus aller Welt, Pp. 95 1 pl. 25 figs. (Geest & Portig) Leipzig 1952 [N.V.]

235.—**Boetticher, H. von.** Die Inselenten. Anz. Orn. Ges. Bay. 4 2 1953 : 62-64.

236.—**Boetticher, H. von.** Die Türken-oder Tempetaube, *Streptopelia d. decaocto* Friv. nummehr auch in Coburg. Neuere Literatur über die Vogelwelt des Balkans. Anz. Orn. Ges. Bay. 4 2 1953 : 78-80.

237.—Boetticher, H. von. Zur Familiensystematik der Singvögel (*Oscines*). Orn. Mitt. **5** 1953 : 41–44.

238.—Boetticher, H. von. Rassenbildung des Feldsperlings, *Passer montanus* (L.). Mitt. Thüringer Ornithologen No. 1/2 1953 : 1–4.

239.—Boetticher, H. v. Die Andengans und ihre systematische Stellung. Zool. Gart., Lpz. (N.F.) **19** 1952 : 206–210 1 fig.

240.—Bollweg, Dr. Säbelschnäbler (*Recurvirostra avosetta*) im Rheinland. Orn. Mitt. **5** 1953 : 114.

241.—Bond, J. Notes on Peruvian Dendrocolaptidae, Conopophagidae and Rhinocryptidae. Notul. nat. Acad. Philad. No. 248 1953 : 1–7.

242.—Bond, J. Notes on Peruvian Icteridae, Vireonidae and Parulidae. Notul. Nat. Acad. Philad. No. 255 1953 : 1–15.

Bondar, G. F. see McLeod.

243.—Bonelli, G. Melanismo. Poco noto il fenomeno ; ignota la causa. Riv. ital. Orn. **23** 1953 : 165.

Bont, A. F. de. see Koch.

244.—Booth, E. S. American Golden-eye in Sonora, Mexico. Condor **55** 1953 : 160.

245.—Borrero, J. I. Status actual de *Zenaida auriculata* y *Leptotila plumbeiceps* en el Departamento de Caldas y *Cistothorus apolinari* en la region de Bogota hozania No. 6 1953 : 1–6 4 figs.

246.—Bosa, G. Cattura di un Cuculo dal ciuffo (*Clamator glandarius*) nella laguna veneta. Riv. ital. Orn. **23** 1953 : 79.

247.—No record.

248.—Bondoint, Y. Etude de la biologie du Circaète Jean-le-blanc. Alauda **21** 1953 : 86–112.

249.—Bouet, G. La biologie peut-elle expliquer certaines légendes sur les Cigognes ? L'Oiseau **23** 1953 : 68–72.

250.—Bourke, P. A. Winter nesting of the Spur-winged Plover. Emu **53** 1953 : 105–108 pl.

251.—Bourlière, F. Classification et caractéristiques des principaux types de groupements sociaux chez les vertébrés sauvages : 71–79. La territorialisme dans l'organisation sociale des vertébrés. Colloq. int. Cent. nat. Rech. sci. **34** 1952 : 199–205 fig.

252.—Bourlière, F. Sur le comportement de *Gracupica nigricollis*. Oiseau, Paris **23** 1953 : 261–264 2 figs.

253.—Bourne, W. R. P. On the races of the Frigate Petrel, *Pelagodroma marina* (Latham) with a new race from the Cape Verde Islands. Bull. Brit. orn. Cl. **73** 1953 : 79–82.

254.—Bourne, W. R. P. American Bittern "freezing" in the open. Brit. Birds **46** 1953 : 111.

255.—Bourne, W. R. P. Common Terns nesting inland in south Lincolnshire. Brit. Birds **46** 1953 : 347.

256.—Bourne, W. R. P. House Sparrow enlarging its nesting-site. Brit. Birds **46** 1953 : 381.

257.—Boutinot, S. Le Pétrel-tempête à Ouessant. Oiseau, Paris **23** 1953 : 145–148 fig.

258.—Boutinot, S. Deux nouvelles espèces nidificatrices pour le Saint-Quentinois. Oiseau, Paris **23** 1953 : 307.

259.—Bowen, R. M. A breeding bird census in the Relay area. Maryland Nat. **22** 3–4 1952 : 42–45 map.

260.—Bowman, R. I. Chimney Swift banding at Kingston, Ontario from 1928 to 1947. Canad. Fld. Nat. **66** 6 1952 : 151–164 4 figs.

261.—Boyd, H. On encounters between wild White-fronted Geese in winter flocks. Behaviour **5** 1953 : 85–129 3 figs.

262.—Boyd, H. Leach's petrels in Britain in the Autumn of 1952. Proc. Bristol Nats.' Soc. **28** 4 1953 : 343–350.

Boyd, W. A. see Frings.

263.—Brackbill, H. Notes on the drumming of some woodpeckers. Bird-Banding **24** 1953 : 18.

264.—Brackbill, H. Migratory status of breeding Song Sparrows at Baltimore, Maryland. Bird-Banding **24** 1953 : 68.

- 265.—Braden, N.** Starlings nesting in Washington. *Murrelet* **34** 1953 : 47.
- 266.—Braid, K. W.** Note on the Great Spotted Woodpecker (Pied Woodpecker), *Dendrocopus major* L. *Glasg. Nat.* **17** 2 1953 : 92.
- 267.—Brandolini, A.** and others. Brevi note [Italian bird notes]. *Riv. ital. Orn.* **23** 1953 : 32-44, 68-84, 124-136, 165-168.
- 268.—Brandt, H.** and **Lund, M.** The Great White Heron (*Egretta a. alba* (L.)), first record from Denmark (English summary). *Dansk orn. Foren. Tidsskr.* **47** 1953 : 257-259.
- 269.—Brathwaite, D. H.** Wader seen at Napier. *Notornis* **5** 1953 : 117, 181.
- 270.—Brauner, J.** Observations on the behavior of a captive Poor-will. *Condor* **55** 1953 : 68-79 3 figs.
- 271.—Breckenridge, W. J.** Night rafting of American Golden-eyes on the Mississippi River. *Auk* **70** 1953 : 201-204.
- 272.—Breland, O. P.** Bird records, great and small. *Audubon Mag.* **55** 1953 : 170-171.
- 273.—Bremicker, G.** Bergenten (*Aythya fuligula*) und Austernfischer (*Haematopus ostralegus*) an der Ruhr. Winterbeobachtungen vom Kiebitz (*Vanellus vanellus*). *Orn. Mitt.* **5** 1953 : 192.
- 274.—Brennecke, H-E.** Elster stört Uferschwalbenkolonie. *Orn. Mitt.* **5** 1953 : 149.
- 275.—Brien, P.** Instinct ou éducation. *Gerfaut* **43** 1953 : 18-21.
- 276.—Briggs, M. A.** Unrecorded specimens of *Neochloe brevipennis* taken in Oaxaca. *Condor* **55** 1953 : 156.
- 277.—Brini, A.** L'origine du mélanoblaste choroidien chez le poulet. *Arch. Anat. micr. Morph. exp.* **42** 1 1953 : 67-83 9 figs.
- 278.—Brinkmann, M.** Der Storchbestand im Regierungsbesirk Osnabrück. *Jber. naturv. Ver-Osnabrück* **25** 1950 : 131-147 map.
- 279.—Broberg, L.** First record of *Lanius senator* for Sweden. (Ottenby Bird Station Report No. 11). [Summary]. *Vår Fagälv.* **11** 1952 : 101 figs.
- 280.—Brodkorb, P.** A review of the Pliocene Loons. *Condor* **55** 1953 : 211-214 fig.
- 281.—Brodkorb, P.** A Pliocene Flamingo from Florida. *Nat. Hist. Misc. No.* 124 1953 : 1-4 2 figs.
- 282.—Brodkorb, P.** Subspecific status of the Common Loon in Florida. *Wilson Bull.* **65** 1953 : 41.
- 283.—Brodkorb, P.** Pleistocene birds from Haile, Florida. *Wilson Bull.* **65** 1953 : 49-50.
- 284.—Brodkorb, P.** A Pliocene Gull from Florida. *Wilson Bull.* **65** 1953 : 94-98 fig.
- 285.—Broekhuysen, E. G.** and **Albada, M. van.** A hereditary lethal abnormality of the beak in Barnevelders [fowl.] *Genetica* **26** 5-6 1953 : 415-429 5 figs.
- 286.—Broekhuysen, G. J.** Field characters of young Egrets. *Bokmakierie* **4** 1952 : 54.
- 287.—Broekhuysen, G. J.** A post mortem of the Hirundinidae which perished at Somerset West in April 1953. *Ostrich* **24** 1953 : 148-152.
- 288.—Broekhuysen, G. J.** and **Stanford, W. P.** Notes on the displacement activities of the male Painted Snipe near its nest. *Ostrich* **24** 1953 : 182-183.
- 289.—Brooker, J. B.** Swifts in the old sanatorium. *Rep. Rugby Sch. nat. Hist. Soc.* **1952** 1953 : 6-7.
- 290.—Brooks, M.** A convenient method of confining live birds for weighing. *Auk* **70** 1953 : 215.
- 291.—Brosset, A.** Durée de l'incubation chez le Jean-le-blanc. *Alauda* **21** 1953 : 113-114.
- 292.—Brosset, A.** *Oenanthe oenanthe seebohmi* dans le Maroc oriental. *Alauda* **21** 1953 : 249-250.
- 293.—Brouwer, G. A.** Beiträge zur Frage der Ölpest auf See. *Vogelwarte* **16** 1953 : 167-170.
- 294.—Brown, H. J.** Bandits of the Pine Barrens. Flicker, Minnesota **25** 1953 : 90-98.
- 295.—Brown, J. L.** Mockingbird (*Mimus polyglottos*) in Southeastern Alaska. *Murrelet* **34** 1953 : 11.

- 296.—**Brown, L. H.** On the biology of the large birds of prey of the Embu District, Kenya Colony. (Concluded). *Ibis* **95** 1953 : 74–114.
- 297.—**Brown, L. H.** Attack by a shrike on an eaglet of *Hieraaetus ayresii*. *Ibis* **95** 1953 : 145.
- 298.—**Brown, P. E.** The island of Avocets. Country-Side N.S. **16** 10 1953 : 377–380 1 fig.
- Brown, P. E.** see Huxley.
- 299.—**Brown, R. H.** The warblers. *Trans. Carlisle nat. Hist. Soc.* **8** 1954 : 23–32.
- 300.—**Brown, R. H. J.** The flight of birds. II. Wing function in relation to flight speeds. *J. exp. Biol.* **30** 1 1953 : 90–103 2 pls. 21 figs.
- 301.—**Brown, W. H.** Some further comments on “anting”. *Auk* **70** 1953 : 90.
- 302.—**Browne, P. W. P.** Nocturnal migration of thrushes in Ireland. *Brit. Birds* **46** 1953 : 370–374 figs.
- 303.—**Browne, P. W. P.** Greenish Warbler on Great Salter, Co. Wexford. *Brit. Birds* **46** 1953 : 456.
- 304.—**Browne, P. W. P.** Bird migration near Dublin, autumn, 1952. *Irish Nat. J.* **11** 2 1953 : 30–33.
- 305.—**Brownsey, B. W.** and **Peakall, D. B.** Breeding sea-birds of Flamberough Head. *Naturalist No.* 847 1953 : 149–150.
- 306.—**Brunner, E.** Kraniche am Untersee. *Orn. Beob.* **50** 1953 : 50.
- 307.—**Brunner, E.** Zur Jahrhundertfeier Friedrich von Tschudi's “Tierleben der Alpenwelt.” *Orn. Beob.* **50** 1953 : 208.
- 308.—**Bruns, H.** Verbreitung, Biotop, Bestandsschwankungen und Brutbiologisches vom Ortolan (*Emberiza hortulana* L.) im nordwestdeutschen Tiefland (Raum Ems-Weser-Niederelbe). *Orn. Abh. No.* 12 1951 : 1–22 map.
- 309.—**Bruns, H.** Erstankunft des Mauerseglers (*Microtus apus*) in Deutschland 1948–1952. *Orn. Mitt.* **5** 1953 : 61–70.
- 310.—**Bruns, H.** Pfuhschnepfen (*Limosa lapponica*) in Südoldenburg. *Orn. Mitt.* **5** 1953 : 98.
- 311.—**Bruns, H.** Zur Zughöhe und Sichtbarkeitsgrenze fliegender Vögel. *Orn. Mitt.* **5** 1953 : 105.
- 312.—**Bruns, H.** Von den Saatkrahenkolonien Würzburgs. *Orn. Mitt.* **5** 1953 : 133.
- 313.—**Bruns, H.** Verzeichnis ornithologischer Literatur aus nicht-ornithologischen Zeitschriften. *Orn. Mitt.* **5** 1953 : 157–158.
- 314.—**Bruns, H.** Verzeichnis ornithologischer Literature aus nicht-ornithologischen Zeitschriften. *Orn. Mitt.* **5** 1953 : 198–199, 218–219, 237–239.
- 315.—**Bryan, C. R.** and **Miller, W. J.** Interaction between alleles affecting cellular antigens following a species cross in Columbidae. *Proc. nat. Acad. Sci., Wash.* **39** 5 1953 : 412–416.
- 316.—**Bub, H.** Elstern (*P. pica*) überfallen einen Haussperling (*P. domesticus*). *Orn. Mitt.* **5** 1953 : 6.
- 317.—**Bucht, A.** Några fågelarter på Kronön. *Fauna o. Flora* **1953** 1953 : 202–206.
- 318.—**Buckland, F. J.** The Sea-eagles of Mallacoota. *Vict. Nat.* **70** 3 1953 : 44–45.
- 319.—**Buckland, R. W.** Statistics showing mortality of birds in the Tiverton area. *Mag. Blundell's Sch. Sci. Soc. No. 7* [1952] 17.
- Buckley, J. L.** see Cade.
- 320.—**Buddenbrock, W. v.** Vergleichende Physiologie, Band 2 Nervenphysiologie, Basel (Verlag Birkhäuser) 1953. Pp. 396 185 figs.
- 321.—**Buechner, A. K.** Some biotic changes in the State of Washington, particularly during the century 1853–1953. *Res. Stud. St. Coll. Wash.* **21** 2 1953 : 154–192.
- 322.—**Bull, A. J.** The wildfowl and waders of Poole Harbour. *Proc. Dorset nat. Hist. archaeol. Soc.* **74** 1953 : 149–170 7 figs.
- 323.—**Bull, P. C.** [New Zealand] Ringing operations. *Notornis* **5** 1953 : 138–141.
- 324.—**Bull, P. C.** Observations on a marked population of Blackbirds at Low Hutt. *Notornis* **5** 1953 : 149–156.

325.—Burckhardt, D. Rückmeldung eines beringten Steinadlers aus dem Ausland. Erste Ringfund eines Schweizer Bluthänflings in Nordafrika. Erste Ringfundbelege vom Winterquartier unserer Girlitze. *Orn. Beob.* **50** 1953 : 48–49.

326.—Burckhardt, D. Ueberwintern unsere Zwergreiher in Westafrika? *Orn. Beob.* **50** 1953 : 137–140 fig.

327.—Burckhardt, D. Erste Auslandsrückmeldung eines in der Schweiz beringten Rotkopfwürgers. *Orn. Beob.* **50** 1953 : 30.

328.—Burckhardt, D. [and others]. Vogelschutz. *Orn. Beob.* **50** 1953 : 20, 94, 149.

329.—Bureau, L. Observations du Circaète Jean-le-blanc dans l'ouest de la France. *Alauda* **21** 1953 : 115–119.

330.—Burnier, J. Un mois d'automne au col de Chésery (Valais). *Nos Oiseaux* **22** 1953 : 33–38.

331.—Burnier, J. Un chant énigmatique. *Nos Oiseaux* **22** 1953 : 41–42.

332.—Burnier, J. Au nid du Plongeon arctique (*Colymbus arcticus*). *Nos Oiseaux* **22** 1953 : 58–61 figs.

333.—Burnier, J. Une jeune Foulque victime de sa gloutonnerie. *Nos Oiseaux* **22** 1953 : 96 fig.

334.—[Burns, P. S.]. List of birds of district. *Trans. Bishop's Stortford nat. Hist. Soc.* **1** 1953 : 1–20.

335.—Barros, V. R. Anotaciones sobre varias aves observadas en Thio (Curico). *Rev. chil. Hist. nat.* **48** 1945 : 80–89 figs.

336.—Burrows, W. T. and Kosin, I. L. The effects of ambient temperature on production and fertilizing capacity of turkey spermatozoa. *Physiol. Zool.* **26** 1953 : 131–146 4 figs.

337.—Burstein, M. and Lewi, S. Sur la structure du Caillot plasmatique d'oiseaux. *C.R. Soc. Biol. Paris* **147** 1–2 1953 : 23–25.

338.—Burton, J. F. Chiffchaff eating aphids in mid-winter. *Brit. Birds* **46** 1953 : 457.

Burton, J. F. *see* Owen.

339.—Burton, M. Animal Courtship. London (Hutchinson) 1953. Pp. 267 frontis. 16 pls. text illust.

340.—Buss, I. O. The Upland Plover in Southwestern Yukon Territory. *Arctic, Montreal* **4** 3 1951 : 204–213 3 figs.

341.—Butterfield, A. Unusual display of the House Martin. *Brit. Birds* **46** 1953 : 65.

342.—Büttiker, W. Ein Ansiedlungsversuche von Höhlenbrütern in Zentral-Afrika. *Acta Trop.*, Basel **10** 3 1953 : 259–263 2 figs.

343.—Buxton, E. J. M. Migration of birds observed in N.W. Germany 1942. *Ibis* **95** 1953 : 235–241.

344.—Byczkowska, W. The egg tooth of the chick *Gallus domesticus* L. *Bull. int. Acad. Cracovia* **1951 BII** 7–10 1952 : 433–441.

344a.—C., H. L. A visit to Filfla Island. *Oolog. Rec.* **27** 1953 : 7–9.

344b.—Cabannes, Dr. Sur la nidification de l'Outarde canepetière (*Otis tetrax*) en plaine de Bourgogne. *Alauda* **21** 1953 : 192.

345.—Cade, T. J. Sub-nival feeding of the Redpoll in interior Alaska : a possible adaptation to the northern winter. *Condor* **55** 1953 : 43–44.

346.—Cade, T. J. Behavior of a young Gyrfalcon. *Wilson Bull.* **65** 1953 : 26–31.

347.—Cade, T. J. and Buckley, J. L. A mass emigration of Sharp-tailed Grouse from the Tanana Valley, Alaska, in 1934. *Condor* **55** 1953 : 313.

348.—Cadman, W. A. The winter food and ecological distribution of Greenland White-fronted Geese in Britain. *Brit. Birds* **46** 1953 : 374.

349.—Cairns, J. Studies of Malayan birds. *Malay. Nat. J.* **7** 5 1953 : 173–179.

350.—Cairns, J. A miscellany of notes. *Malay. Nat. J.* **8** 1953 : 27–31.

Calaby, J. H. *see* Frith.

351.—Calder, D. The distribution of the Indian Myna. *Bokmakierie* **5** 1953 : 4–6 fig.

352.—Calderwood, D. N. Wire in nest of Senegal Dove. *W. Aust. Nat.* **3** 8 1953 : 197.

353.—Campbell, B. Editor. *Rept. Oxford Orn. Soc.* [1952] 1953.

354.—Campbell, B. Finding Nests. (Collins, London) 1953 Pp. 256 40 pls.

355.—Campbell, H. and Lee, L. Studies in Quail Malaria in New Mexico and notes on other aspects of quail populations. New Mexico Dept. Game & Fish Santa Fe 1953 Pp. ix + 79.

356.—Campbell, T. Records of the African Peregrine. *Ostrich* **24** 1953 : 52.

357.—Capt, P. E. [and G  routet, P.]. D  couverte d'un nid de Milouin en Suisse romande. *Nos Oiseaux* **22** 1953 : 1-3.

358.—Carandini, L. Cattura di una Alzavola asiatica (*Anas formosa* Georgi) nel Novarese. *Riv. ital. Orn.* **23** 1953 : 63-67 fig.

359.—Carandini, L. Uccelli del Lago di Viverone (prov. di Vercelli). *Riv. ital. Orn.* **23** 1953 : 124-126.

360.—Cardiff, E. and B. Records of the Coues Flycatcher and Chestnut-sided Warbler in California. *Condor* **55** 1953 : 217.

361.—Cardiff, E. and B. Additional records for the American Redstart in the Imperial Valley of California. *Condor* **55** 1953 : 279.

362.—Carey, C. C. Report on the ornithological section, 1950. *Rep. Soc. guernesiaise* **15** 1 1951 : 20-23.

363.—Carrara, E. and B. Zwergtrappe im Reusstal. *Orn. Beob.* **50** 1953 : 49.

364.—Carrara, I. S. Lobos marinos, pinguinos y guaneras de las costas del litoral mar  timo e Islas adyacentes de la Republica Argentina. La Plata (Min. de Educacion) 1952 pp. 191 + 97 pls. 1 map.

365.—Carvalho, J. C. M. Contribu   o das mur  as imperiais. *Publ. avuls. Mus. nac. Rio de J.* No. 19 1953 : 1-10 6 pls.

366.—Casal, P. S. Una modesta aldeana profesora de un principe. *Hornero* **9** 1951 : 348-349 fig.

367.—Cashion, T. G. The Royal Penguin in Tasmanian waters. *Emu* **53** 1953 : 209-211.

368.—Caterini, F. San Rossore e la sua avifauna. *Boll. Zool.* **18** 1951 : 327-341.

369.—Caterini, F. Notizario ornitologico. *Riv. ital. Orn.* **23** 1953 : 153-155.

370.—Cendron, J. La mue du Manchot Ad  lie adulte. *Exp  ditions polaires fran  aise—Note ornithologique* No. 6. *Alauda* **21** 1953 : 77-85.

371.—Cendron, J. Notes sur les oiseaux de la Terre Ad  lie (Petrels et Skuas). *Oiseau, Paris* **23** 1953 : 212-220 4 pls.

Cendron, K. *see* Sapin-Jaloustre.

372.—Chadwick, P. J. and King, B. Pheasant swimming and taking off from water. *Brit. Birds* **46** 1953 : 375.

Chadwick, P. J. *see* Davis, H. H.

373.—Chandler, E. H. A breeding record for the Ring-necked Duck in Massachusetts. *Auk* **70** 1953 : 86.

374.—Chapin, J. P. A new race of *Cisticola lateralis* (Fraser). *Bull. Brit. Orn. Cl.* **73** 1953 : 83-84.

375.—Chapin, J. P. The birds of the Belgian Congo. Part 3. *Bull. Amer. Mus. nat. Hist.* **75A** 1953 : 1-821 13 pls. 36 figs.

376.—Charteris, G. Ornithological notes for the year 1951. *Proc. Cotteswold Nat. Fld. Cl.* **31** 1 1952 : 53-58.

377.—Charvoz, P. Assembl  e printani  re de Geais. *Nos Oiseaux* **22** 1953 : 137.

378.—Chattaway, M. Those London starlings. *Vict. Nat.* **69** 10 1953 : 129.

379.—Chear, J. Bird-watching at Minsmere. *Country-side N.S.* **16** 11 1953 : 417-422 2 figs.

380.—Chettleburgh, M. R. Unusual nesting-site of Red-legged Partridge. *Brit. Birds* **46** 1953 : 375.

381.—Chisholm, A. H. Lyrebirds as "Pets". *Vict. Nat., Melb.* **70** 1953 : 103-105 1 pl.

382.—Chisholm, A. H. [and others]. Stray Feathers.—Polygamy among ground-frequenting birds [and other Australian bird notes]. *Emu* **53** 1 1953 : 88–95.

383.—Chislett, R. Yorkshire Birds, London (A. Brown & Sons) 1953 Pp. vi + 335 10 pls. map.

384.—Christensen, G. C. Overwintering of the Chukar Partridge (*Alectoris graeca*) in Nevada, U.S.A. *J. Bombay nat. Hist. Soc.* **51** 1952 : 277–279 fig.

385.—Christiansen, A. The Little Egret (*Egretta g. garzetta* (L.)), first record from Denmark (English summary). *Dansk orn. Foren. Tidssk.* **47** 1953 : 56–59 photo.

386.—Christiansen, A. and Congreve, W. M. Studies of some species rarely photographed. XLIX. Barnacle Goose. *Brit. Birds* **46** 1953 : 213 4 pls.

387.—Clancey, P. A. The British race of the Lesser Redpoll. *Bull. Brit. orn. Cl.* **73** 1953 : 72.

388.—Clancey, P. A. Notes on the geographical variation in the South African populations of *Lybius torquatus* (Dumont). *Bull. Brit. orn. Cl.* **73** 1953 : 102–104.

389.—Clancey, P. A. Notes on the care and maintenance of study collections of birds and mammals. *Bull. S. Afr. Mus. Ass.* **5** 8 1953 : 199–205.

390.—Clancey, P. A. A preliminary list of the birds of Natal and Zululand, with a short account of the status of each. Durban (Durban Museum) 1953 Pp. 55.

391.—Clancey, P. A. Miscellaneous taxonomic note on African birds. *Durban Mus. Novit.* **4** 4 1953 : 57–64 2 figs.

392.—Clancey, P. A. On an occurrence of the Long-legged Buzzard *Buteo rufinus* (Cretzschmar) in Natal, South Africa. *Ostrich* **24** 1953 : 125–127 fig.

393.—Clancey, P. A. An extension of range of *Sylvietta rufescens pallida* (Alexander). *Ostrich* **24** 1953 : 127.

394.—Clancey, P. A. A new geographical race of the Golden-tailed Woodpecker from South-eastern Africa, with notes on the other South African forms. *Ostrich* **24** 1953 : 167–170.

Clancey, P. A. *see* Grant.

395.—Clapham, P. A. Pseudo-tuberculosis among Stock-doves in Hampshire. *Nature, Lond.* **172** 4373 1953 : 353.

396.—Clark, A. H. The ecology, evolution, and distribution of the vertebrates. *Rep. Smithson. Instn.* **1952** 1953 : 283–303.

397.—Clarke, P. R. [and **Richardson, R. A. J.**] Mediterranean Black-headed Gull in Norfolk. *Brit. Birds* **46** 1953 : 216–218 fig.

398.—Clavert, J. Modifications comparées du squelette de quelques femelles d'oiseaux du mouvement de la porte. *Arch. Anat., Strasbourg* **34** 1952 : 125–132 2 figs.

Clavert, J. *see* Benoit.

399.—Clavert, J. and Vintemberger, P. Sur les relations existant, chez les oiseaux, entre le mode d'évolution de l'oeuf dans l'utérus, l'enroulement des chalazes et l'orientation de l'embryon. *C.R. Acad. Sci. Paris* **237** 6 1953 : 437–439.

400.—Clay, G. Some notes on the birds of the Isoka district of the northern province of Northern Rhodesia. *Ostrich* **24** 1953 : 76–97 fig.

401.—Clay, W. M. Protective coloration in the American Sparrow Hawk. *Wilson Bull.* **65** 1953 : 129–134 pl.

402.—Cleland, J. B. The length of the intestines in Crows, Bower-birds and Birds-of-Paradise. *Emu* **53** 1953 : 259.

403.—Cleland, J. B. Plant distribution by birds. *S. Aust. Nat.* **27** 3 1953 : 35–40.

404.—Coffey, B. B. Jr. and others. The Season. Migrant, Tennessee **24** 3 1953 : 54–60.

405.—Collias, N. and Joos, M. The spectrographic analysis sound signals of the domestic fowl. *Behaviour* **5** 1953 : 175–187 9 figs.

Collins, B. D. *see* Miller.

406.—Colthurst, M. L. and Palmer, B. C., C. D. and E. M. Alpine Swift in Somerset. *Brit. Birds* **46** 1953 : 218.

- 407.—Comble, J. de la.** L'Aigrette garzette *Egretta g. garzetta* (L.) en Saône-et-Loire. *Alauda* **21** 1953 : 191.
- 408.—Conder, P. J.** Short-toed Lark [and]-Olivaceous Warbler in Pembrokeshire. *Brit. Birds* **46** 1953 : 189-191.
- 409.—Conder, P. J.** Rustic Bunting in Pembrokeshire. *Brit. Birds* **46** 1953 : 457.
- 410.—Conder, P. J.** A list of the birds of Skokholm, Pembrokeshire. *Northw. Nat. N.S.* **12** 1953 : 211-219.
- 411.—Condon, H. T.** Proceedings of the annual congress, Adelaide, 1952. *Emu* **53** 1953 : 13-19.
- 412.—Condry, W. M.** Bird-life on the Dovey Estuary. *Rep. W. Wales Fld. Soc. No. 15* 1953 : 21-24.
- 413.—Congdon, R. T. and Mrs.** Hudsonian Godwits found nesting again at Churchill. *Canad. Fld. Nat.* **66** 5 1952 : 143-144 fig.
- 414.—Congreve, W. M.** From my Spitzbergen diary. *Oolog. Rec.* **27** 1953 : 1-6, 17-22, 35-40.
- Congreve, W. M.** *see* Christiansen.
- 415.—Conrads, K.** Kormorane am Norderteich (Lippe). *Orn. Mitt.* **5** 1953 : 191.
- 416.—Cornwallis, R. K.** The nature of a bird's world. *Trans. Lincs. Nat. Un.* **13** 2 1953 : 3-29 2 pls. 9 figs.
- 417.—Costa, M. L. P. de.** Clave para determinar los "zorzales" que viven en la Argentina. *Hornero* **9** 1951 : 277-279 fig.
- 418.—Cott, H. B.** The exploitation of wild birds for their eggs. *Ibis* **95** 1953 : 409-449, 643-675.
- 419.—Coulter, M. W.** Mallard nesting in Maine. *Auk* **70** 1953 : 490.
- 420.—Courtenay-Latimer, M.** Marine birds—at and offshore—at Bird Island, Algoa Bay. *Ostrich* **24** 1953 : 27-32 figs.
- 421.—Courtenay-Latimer, M.** Sea bird migrants. *Ostrich* **24** 1953 : 50 fig.
- 422.—Cowan, I. McT.** Waterfowl at Beaconhill Park, Victoria. *Vict. Nat.* **9** 2 1952 : 21-22.
- 423.—Cowley, J. C.** "Red Sea" Ospreys. *Oolog. Rec.* **27** 1953 : 23-24, 41-45, 55-59.
- 424.—Cox, R. A. F.** Swift roosting in tree. *Brit. Birds* **46** 1953 : 414.
- 425.—Cox, S. A.** Purple Herons in Lincolnshire. *Brit. Birds* **46** 1953 : 254.
- 426.—Cox, S. A.** Ornithology. *Trans. Lincs. Nat. Un.* **13** 2 1953 : 54-76.
- 427.—Creutz, G.** Masse und Gewichte der Rauchschnalbe (*Hirundo r. rustica*). *Vogelwarte* **16** 1953 : 164-167 fig.
- 428.—Cringan, A. J.** Recent records of the Magpie in north-western Ontario. *Canad. Fld. Nat.* **67** 1 1953 : 43.
- 429.—Crompton, A. W.** The development of the chondrocranium of *Spheniscus demersus* with special reference to the columella auris of birds. *Acta zool. Stockh.* **34** 1953 : 71-146 38 figs.
- 430.—Crook, J. H.** An observational study of the gulls of Southampton Water. *Brit. Birds* **46** 1953 : 385-397 fig.
- 431.—Cross, F. C.** Nesting birds of North-Central Kansas. *Trans. Kansas Acad. Sci.* **55** 1952 : 120-125.
- 432.—Crousaz, G. de.** Observations et questions sur le Gros-bec. *Coccothraustes coccothraustes* (L.). *Nos Oiseaux* **22** 1953 : 132-135.
- Crowe, R. W.** *see* Simmons.
- 433.—Crowe, W. R.** Screech Owl observed bathing. *Wilson Bull.* **65** 1953 : 207.
- 434.—Cruikshank, A. D. and Harrison, H. H.** Some photographic studies of the American Robin. *Brit. Birds* **46** 1953 : 368 4 pls.
- 435.—Cummings, E. G. and Quay, T. L.** Food habits of the Mourning Dove in North Carolina. *J. Elisha Mitchell sci. Soc.* **69** 2 1953 : 142-149.
- 436.—Cunningham, B. T., Moar, N. T., Torre, A. W. and Parr, P. J.** A survey of the western coastal dune lakes of the North Island, New Zealand [Birds p. 376.] *Aust. J. mar. & freshw. Res.* **4** 1953 : 343-386.

- 437.—Cunningham, J. M. Notes on the immature plumages of *Larus bulleri* and *L. novaeollandiae*. *Notornis* 5 1953 : 166-167 fig.
- 438.—Cunningham, J. M. The dates of arrival of the Shining Cuckoo in New Zealand in 1952. *Notornis* 5 1953 : 192-195.
- 439.—Cuthbertson, E. I. Census of Swallows in the Sedburgh area, N.W. Yorkshire in 1952. *Brit. Birds* 46 1953 : 263.
- 440.—Cutler, D. A. and others. General Notes. [New Jersey and Pennsylvania]. *Cassinia* 1951-1952 : 25-34.
- Dachy, P. *see* Spaepen.
- 441.—Dahlgren, K. V. O. Linnaeus och fågelägget, särskilt ovum ovo pregnant. *Svenska Linnesällsk. Årsskr.* 35 1953 : 39-61 [English summary p. 114] 12 figs.
- 442.—Dancker, P. [and Böhr, H.-J.] Schneeballbeeren als Winternahrung unserer Vögel. *Orn. Mitt.* 5 1953 : 230 fig.
- 443.—Dancker, P. Zur Balz des grossen Buntspechts *Dryobates major*. *Orn. Mitt.* 5 1953 : 232.
- 444.—Dane, D. S. and others. A disease of Manx shearwaters : further observations in the field. *J. Anim. Ecol.* 22 1953 : 123-136 2 figs.
- 445.—[Danilova, L. V. Contribution of ectoderme in function of extremities in birds and mammals : 645-648 2 figs. Two rudiments of mesenchyma forming the musculature of extremities in birds and mammals]. *C.R. Acad. Sci. URSS NS.* 84 5 1952 : 1105-1108 3 figs. [In Russian].
- 446.—Dater, E. E. Anting of Blue-winged Warbler (*Vermicora pinus*) at Ramsey, New Jersey. *Auk* 70 1953 : 89.
- 447.—Dathe, H. Der Flussregenpfeifer-ein Schmuck öden Geländes der Heimat. *Urania, Jena* 13 1940 : 236-239 figs.
- 448.—Dathe, H. Ersatzbrut beim Gelbspötter. *Orn. Mitt.* 5 1953 : 4.
- 449.—Davies, F. Can the Whooping Crane be saved? *Oryx* 2 1953 : 120-122.
- 450.—Davies, M. G. Editor. Royal Society for the Protection of Birds. *Bird Notes* 25 5-8 1953.
- 451.—Davis, H. H. and Chadwick, P. J. Ornithological notes, Bristol district, 1952. *Proc. Bristol Nat's. Soc.* 28 4 1953 : 315-331.
- 452.—Davis, J. Birds of the Tzitzio region, Michoacan, Mexico. *Condor* 55 1953 : 90-98.
- 453.—Davis, J. Precocious sexual development in the juvenal English Sparrow. *Condor* 55 1953 : 117-120 fig.
- 454.—Davis, M. Longevity of Cuban Red-wing (*Agelaius assimilis*) in captivity. *Auk* 70 1953 : 92.
- 455.—Davis, P. American Robin on Lundy. *Brit. Birds* 46 1953 : 364-368 pl.
- 456.—Davis, P. White's Thrush on Lundy. *Brit. Birds* 56 1953 : 455.
- 457.—Davis, T. A. W. An outline of the ecology and breeding seasons of birds of the lowland forest region of British Guiana. *Ibis* 95 1953 : 450-467.
- 458.—Davis, W. F. Birds observed on a canoe trip in northern Manitoba. *Canad. Fld Nat.* 67 1953 : 148-154.
- 459.—Dawson, A. R. Histochemical evidence of early differentiation of the suprarenal gland of the chick. *J. Morph.* 92 1953 : 579-595 10 figs.
- Dawson, W. R. *see* Bartholomew.
- 460.—Day, K. C. Home life of the Veery. *Bird-Banding* 24 1953 : 100-107.
- 461.—DeArment, R. The range-type pattern requirements of Bobwhite quail in Payne County, Oklahoma. *Proc. Okla. Acad. Sci.* 50 1951 : 114-117.
- 462.—De Beaux, O. *Notulae otiosae*. IV. Appunti su di un Fringuello *Fringilla coelebs coelebs* L.) maschio isabellino-albino. *Riv. ital. Orn.* 23 1953 : 57-59.
- 463.—De Beaux, O. *Notulae otiosae*. V. La Tortora dal collare orientale—*Scolecophagus desanto desanto* (Frivaldsky)—è giunta e si riproduce anche in Piemonte. *Riv. ital. Orn.* 23 1953 : 60-62.

- 464.—Deignan, H. G.** A bibliography of Thai ornithology, 1758–1939. Nat. Hist. Bull. Thailand Res. Soc. **13** 1 1942 : 51–78.
- 465.—Deignan, H. G.** Chinese races of *Pomatorhinus erythrogenys* Vigors. Proc. biol. Soc. Wash. **65** 1952 : 119–124.
- 466.—Dekerper, P. L.** Influences saisonnières sur le cycle sexuel des oiseaux. Bull. Inst. franç. Afr. noire **13** 2 1951 : 535–542 1 fig.
- 467.—Dekeyser, P. L.** Misson A. Villiers au Togo et au Dahomey (1950). III.—Oiseaux. Étud. dohoméennes No. 5 1951 : 47–90 2 pls.
- 468.—Dekeyser, P. L. and Villiers, A.** Sur une niche du corbeau blanc (*Corvus albus*). Notes afr. No. 56 1952 : 124–127 4 figs.
- 469.—Delacour, J.** Comment on the geographical variation of the Monal, *Lophophorus impeyanus* Latham. Bull. Brit. orn. Cl. **73** 1953 : 26.
- 470.—Delacour, J.** Position systématique du Diamant modeste d'Australie. Note rectificative de nomenclature. Oiseau, Paris **23** 1953 : 144.
- 471.—Delje, G., Lundin, A. and Ståhl, B.** Dannemoratraktens fågel-fauna. Fauna v. Flora **1953** 1953 : 177–197 6 figs.
- 472.—Delmée, E.** Notes sur l'évolution des Corbeautières du Hainaut. Gerfaut **43** 1953 : 28–33.
- 473.—Demandt, C.** Brutbiologische Probleme beim Wanderfalken (*Falco peregrinus*). J. Orn. **94** 1953 : 99–102.
- 474.—Dementiev, G. P. and Chladkov, N. A. and others.** [Birds of the Soviet Union] Tom. I. Pp. 652 5 col. pls 157 figs. Tom. 2 Pp. 480 5 col. pls. 93 figs. Tom. 3 Pp. 680 4 col. pls. 169 figs. Tom. 4 Pp. 640 6 col. pls. 114 figs. Moscow (Soviet Acad. Sci.) 1951.
- 475.—[Dementiev, G. P., Kartashev, N. N. and Goldstova, A. N.]** Food and economic importance of some rapacious birds in South-Western Turkmenia]. Zool. Zh., Moscow **32** 3 1953 361–375 [in Russian].
- 476.—Deraniyagala, P. E. P.** Hybridization in the jungle fowl in Ceylon. Spolia zeylan. **27** 1 1953 : 59–61.
- 477.—Devlin, J. M.** Land bird migrations over West Philadelphia. Cassinia **1951–1952** [1953] : 2–12.
- 478.—De Vries, T. G.** Oö-en nidologische mededelingen, 1953. Limosa **26** 1953 : 119–123 fig.
- 479.—Dexter, R. W.** The 1952 returns of Chimney Swifts at Kent. Ohio. Bird-Banding **24** 1953 : 17.
- 480.—Dexter, R. W.** Electrocutation of a Baltimore Oriole. Bird-Banding **24** 1953 : 109.
- 481.—Dickens, R. F.** Aggressive behaviour in Stock Doves. Brit. Birds **46** 1953 : 412.
- 482.—Dickerman, R. W. and Phillips, A. R.** First United States record of *Myiarchus nuttingi*. Condor **55** 1953 : 101.
- 483.—Dickinson, J. C. Jr.** Report on the McCabe collection of British Columbian Birds. Bull. Mus. comp. Zool. Harv. **109** 1953 : 121–209.
- 484.—Didier, R.** La consolidation spontanée des fractures chez les oiseaux et la modification de l'architecture des travées osseuses. Oiseau, Paris **23** 1953 : 81–88 4 pls.
- 485.—Diesselhorst, G.** Verlust von Singvogelbruten durch Schnecken. Anz. Orn. Ges. Bay. **4** 2 1953 : 72–73.
- 486.—Dietz, J.** Brutablauf der Störche Oberfrankens 1952. Anz. Orn. Ges. Bay. **4** 2 1953 : 54–56.
- 487.—Dietz, J.** Schmarotzerraubmöße (*Storcorarius parasiticus*) im Juni im Binnenland. Sturmschwalbe (*Hydrobates pelagicus*) im Aischgrund tot aufgefunden. Orn. Mitt. **5** 1953 : 5.
- 488.—Dierschke, F.** Die Vogelbestände einiger Erlbruchwälder Ostpreussens und Niedersachsens. Orn. Abh. No. 10 1951 : 1–32 3 figs.
- 489.—Dijkgraaf, S.** Unempfindlichkeit für langwelliges Licht beim Staren (*Sturnus vulgaris* L.). Experimentia **9** 6 1953 : 222–223.
- 490.—Dilger, W. C.** Duetting in the Crimson-breasted Barbet. Condor **55** 1953 : 220.

491.—Donald, C. H. Bird migration across the Himalayas. *J. Bombay nat. Hist. Soc.* **51** 1952 : 269-271.

492.—Donark, T. The distribution and the occurrence of the Falcons in Denmark. II. The Hobby, the Merlin and the Red-footed Falcon : 36-55. III. The Lesser Kestrel, the Kestrel and the American Kestrel (English summaries). *Dansk orn. Foren. Tidsskr.* **47** 1953 : 104-122.

493.—Donark, T. List of Danish bird-ring reports. *Dansk orn. Foren. Tidsskr.* **47** 1953 : 246-256.

494.—Dobben, W. H. van. Bird migration in the Netherlands. *Ibis* **95** 1953 : 212-234 11 figs.

495.—Dorst, J. Considerations sur les déplacements des Hérons français. *Terre et la Vie* **100** 2 1953 : 101-108 fig.

496.—Donard, P. J. Notes sur des oiseaux observés auprès de Lyon (Jonage). *Alauda* **21** 1953 : 65.

497.—Douaud, J. Observations faites en mer belong de la côte occidentale d'Afrique. *Alauda* **21** 1953 : 179-185.

498.—Douaud, R. P. J. La Rousserelle Rongeatre *Calamoceteor r. rufescens* a Lomé. *Notes Afr. No.* 57 1953 : 31.

499.—Douglas, C. E. Editor. *Rep. Reading Orn. Cl.* 1952.

500.—Dove, R. S. and Goodhart, H. J. Field notes on local bird records. *Mem. Hong Kong biol. Circle No.* 1 1953 : 1-4 1 fig.

501.—Driesen, H.-H. Untersuchungen über die Einwanderung diffuse Pigmente in die Federanlage, insbesondere beim Wellensittich (*Melopsittacus undulatus* [Shaw]). *Z. Zellforsch.* **39** 2 1953 : 121-151 22 figs.

502.—Driesen, H.-H. and Völker, H. Die diffusen Federpigmente des Wellensittichs (*Melopsittacus undulatus*) bei Thyroxin-Mauser. *Naturwissenschaften* **40** 2 1953 : 61.

503.—Drinkwater, H. Young Bluebird taken from nest-box by Sparrow Hawk (*Falco sparverius*). *Auk* **70** 1953 : 215.

504.—Drost, R. Über die Heimat-treue deutscher Seevögel. *J. Orn.* **94** 1953 : 181-193.

505.—Drury, W. H. Jr. Birds of the Saint Elias quadrangle in the South-western Yukon Territory. *Canad. Fld. Nat.* **67** 1953 : 103-128 2 maps.

506.—Drury, W. H. Jr. and others. Occurrence of African Cattle Egret in Massachusetts. *Auk* **70** 1953 : 364.

507.—[Dubinina, M. N.] The parasitic fauna of the wild Grey Goose (*Anser anser* L.). *Parasitol. Sborn. zool. Inst. Akad. Nauk SSSR, Leningrad* **10** 1948 : 165-187. [In Russian].

508.—Dunnett, G. E. and Hinde, R. A. The winter roosting and awakening behaviour of captive Great Tits. *Brit. J. Anim. Behav.* **1** 1953 : 91-95.

509.—Dupont, P. L. Protection et Fauconnerie. *Gerfaut* **43** 1953 : 157-161.

510.—Durand, G. Capture d'un Balbuzard en Vendée. *Oiseau Paris* **23** 1953 : 305.

511.—Durrell, G. M. The overloaded ark. London (Faber & Faber) 1953 pp. 238 text illust.

512.—[Dyatlov, A. I.] Experimental changing eggs of small birds in open nests]. *Zool. Zh., Moscow* **32** 5 1953 : 1026. [In Russian].

Dyer, W. see Walkinshaw.

513.—Eaton, S. W. Birds of Olean and Salamanca quadrangles. *Sci. Studies, St. Bonaventure, N.Y.* **15** 1953 : 1-27.

514.—Eaton, S. W. Wood Warblers wintering in Cuba. *Wilson Bull.* **65** 1953 : 169-174.

515.—Eber, G. Aussergewöhnliche Nistorte des Weissstorchs (*Ciconia ciconia*) in Kleinasien. *Orn. Mitt.* **5** 1953 : 223-224.

516.—Edelstam, C. and Snellman, J. Rare vagrants and the weather situation. 1 : The records of *Lanius senator* in Fennoskandia. (Ottenby Bird Station Report No. 14) [Summary]. *Vår Fågelv.* **12** 1953 : 21 figs.

517.—Edmondson, T. Some aspects of the natural history of Western Chat Moss. Birds, mammals and selected flowering plants. *Northw. Nat. N.S.* **1** 3 1953 : 400-416.

518.—Edwards, R. Y. Barrow's Golden-eye using Crow nests in British Columbia. *Wilson Bull.* **65** 1953 : 197–198 fig.

519.—Eggler, R. Curieux emplacement d'un nid de Pinson. *Nos Oiseaux* **22** 1953 : 19 fig.

520.—Ehrström, C. The avifauna of the burned forest areas at Bredvik in the commune of Bromarf. *Ornis fenn.* **30** 1953 : 80–83.

521.—Eichler, W. Mallophagen in Vogelnestern. *Vogelwarte* **16** 1953 : 170–174.

522.—Eichler, W. Die Tierwelt der Gewachshäuser. Leipzig (Geest & Portig) 1952 Pp. iv + 93 11 figs.

523.—Eichler, W. and Kruber, W. Über das Schlafen des Haussperlings (*Passer d. domesticus*) im Schilfrohr. *Orn. Mitt.* **5** 1953 : 97.

524.—Eisenmann, E. What bird lays black eggs? *Auk* **70** 1953 : 362.

525.—Eisenmann, E. The nest of the Long-billed Gnatwren (*Ramphocaelus rufiventris*). *Auk* **70** 1953 : 368.

Eklund, C. R. see Polunin.

526.—Ellement, N. Attacks on bee hives by the Green Woodpecker. *Beds. Nat. No.* **7** 1953 : 32.

527.—Elliott, H. F. I. The fauna of Tristan da Cunha. *Oryx* **2** 1953 : 41–53.

528.—Elliott, J. J. and Arbib, R. S. Jr. Origin and status of the House Finch in the eastern United States. *Auk* **70** 1953 : 31–37.

529.—Ellis, A. E. The Avocets of Havergate Island. *Discovery* **14** 1953 : 248–249 figs.

530.—Ellis, J. C. S. Common Sandpiper submerging. *Brit. Birds* **46** 1953 : 259.

531.—Ellison, N. F. [Cheshire bird notes]. *Northw. Nat. N.S.* **1** 1 1953 : 93–94.

532.—Emeis, W. Von den schleswig-holsteinischen Störchen. *J. Orn.* **94** 1953 : 114–116.

533.—Engelmann, C. Versuche über die Futterwahl der Enten. Über die Beliebtheit einiger Grünfütterpflanzen. *Z. Tierpsychol.* **9** 1952 : 395–401 1 fig.

Engels, W. L. see Jenner.

534.—Engländer, Dr. Beutetiere Borkumer Sumpfohreulen (*Asio flammeus*). *Orn. Mitt.* **5** 1953 : 11.

535.—Engström, K. A scheme for the study of yearly fluctuations in the bird life of Sweden [Summary]. *Vår Fågelv.* **12** 1953 : 170.

536.—Ennion, E. A. R. Lesser Grey Shrike in Northumberland and Aberdeenshire. *Brit. Birds* **46** 1953 : 220.

537.—Ennion, E. A. R. White-spotted Bluethroat in Northumberland. *Brit. Birds* **46** 1953 : 456.

538.—Entwistle, J. R. and others. Guillemot incubating two eggs. *Brit. Birds* **46** 1953 : 376.

539.—Erickson, A. B. The Jack-snipe. *Minnesota Naturalist* **3** 1953 : 39–41.

540.—Erickson, R. Musical values of bird songs at Bolgart, W.A. *Emu* **53** 1953 : 319–323.

541.—Esteban, J. G. Furnariinae de la República Argentina. *Acta zool. lilloana* **12** 1951 : 377–441.

542.—Esteban, J. G. Sobre la presencia de tres aves en el Territorio de Misiones. *Acta zool. lilloana* **10** 1952 : 307–310.

543.—Etchécopar, R. D. Cinq Spatules dans le Morbihan : 240. Reflexions faites en Bretagne au mois d'août 1953. *Oiseau, Paris* **23** 1953 : 242.

544.—Etchécopar, R. D. and Hüe, F. Notes prises au cours d'un voyage en Tunisie. *Oiseau, Paris* **23** 1953 : 221–239.

545.—Evans, P. Terek Sandpiper in Co. Durham. *Brit. Birds* **46** 1953 : 188.

546.—Fairbairn, W. A. Some game birds of West Africa. Pp. 92 + XII 9 col. pls. (Oliver & Boyd) Edinburgh 1952 [N.V.]

Falconer, D. D. see McNally.

547.—Falla, R. Antarctic birds. Simpson, F. A., Ed. *The Antarctic today* : Wellington, N.Z. 1952 : 216–228 2 pls.

548.—Falla, R. A. The Australian element in the avifauna of New Zealand. Presidential Address. *Emu* **53** 1953 : 36–45.

549.—Falla, R. A. Identification of New Zealand Mainland Shags. *Tuatara* **2** 3 1949 : 116-120 figs.

550.—Falla, R. A. Description of a new form of New Zealand Wren. *Notornis* **5** 1953 : 142-143.

551.—Fallet, A. Curieuse mésaventure d'une Foulque. *Nos Oiseaux* **22** 1953 : 97 fig.

552.—Fant, R. J. A nest-recording device. *J. Anim. Ecol.* **22** 1953 : 323-327 1 pl. 3 figs.

Farner, D. S. *see* Mewaldt.

553.—Farner, D. S. and Mewaldt, L. R. The recording of diurnal activity patterns in caged birds. *Bird-Banding* **24** 1953 : 55-65 figs.

554.—Farner, D. S. and Mewaldt, L. R. The relative role of diurnal periods of activity and diurnal photoperiods in gonadal activation in male *Zonotrichia leucophrys gambelii* (Nuttall). *Experientia* **9** 6 1953 : 219-221.

555.—Farner, D. S. and others. The roles of darkness and light in the photoperiodic response of the testes of white-crowned sparrows. *Biol. Bull. Woods Hole* **105** 1953 : 434-441.

556.—Faucheux, O. le. Quelques observations ornithologiques dans l'océan Atlantique. *Oiseau, Paris* **23** 1953 : 303.

557.—Favaloro, J. Where "Robins" meet. *Emu* **53** 1953 : 223-224.

558.—Favero, L. Civetta capogrosso. *Riv. ital. Orn.* **23** 1953 : 80 figs.

559.—Favilli, N. and Avanzi, C. Sul processo di formazione di uova doppie 'ovum in ova' in galline domestiche. *Monit. zool. ital.* **60** 1953 : 20-25.

560.—Felton, R. Birds of the county—Reports and records for 1951-1952. *J. Northants nat. Hist. Soc.* **32** 1952 : 148-171, 204-215.

561.—Fennell, C. M. Notes on the birds of Daikokujima, Hokkaido, Japan. *Condor* **55** 1953 : 38-42.

562.—Fenton, J. T. Curlew eating winkles. *Brit. Birds* **46** 1953 : 410.

563.—Fenton, K. White-billed Diver in Yorkshire. *Brit. Birds* **46** 1953 : 214.

564.—Ferdinand, L. The migration of the Sanderling (*Crocethia alba* (Pall.)) in northern Europe (English summary). *Dansk orn. Foren. Tidsskr.* **47** 1953 : 69-95.

565.—[Ferdinandov, V. V.] Methods of vegetative hybridization of animals. *Adv. mod. Biol., Moscow* **34** 2 (5) 1952 : 307-313 4 figs. [In Russian].

Fernández, R. *see* Moreno.

566.—Ferry, C. Reproduction du Héron pourpré (*Ardea purpurea*) en Bourgogne. *Alauda* **21** 1953 : 67.

567.—Fischer, F. Some notes on the food of birds. *West Midl. Bird Rept.* **18** 1953 : 6-9.

568.—Fischer, K. Ankunft und Sangesbeginn einiger Vogelarten bei Udingen (SW-Deutschland). *Orn. Mitt.* **5** 1953 : 71-72.

569.—Fischer, R. B. Winter feeding of the Red-wing (*Agelaius phoeniceus*). *Auk* **70** 1953 : 496.

570.—Fish, W. R. A method for the objective study of bird song and its application to the analysis of Bewick Wren songs. *Condor* **55** 1953 : 250-257 figs.

Fisher, H. I. *see* Hatt.

571.—Fisher, J. The Collared Turtle Dove in Europe. *Brit. Birds* **46** 1953 : 153-181 pl. fig.

572.—Fisher, J. *Watching Birds.* (Collins, London) Collin's edition 1953 Pp. 224 26 photos 35 illustr.

573.—Fisher, J. *Birds of the Field.* (Collins, London) 1952 Pp. 35 39 pls. (16 col.).

Fisher, J. *see* May.

Fisher, J. *see* Thearle.

574.—Fitter, R. S. R. *Birds of Town and Village.* (Collins, London) 1953 Pp. 35 42 pls. (20 col.).

575.—Fitter, R. S. R. and Lousley, J. E. *The natural History of the City,* (Publ. by Corpn. of London) 1953 : 1-36 figs.

576.—Fitzgerald, D. F.-V. Wild life in Seychelles. *Oryx* **2** 1953 : 28-32.

577.—Flach, B. Översikt av Stora Karlsös fågelfauna [with English Summary]. Fauna o. flora **1953** 1-2 1953 : 28-92 7 figs. 3-4 : 116-139 5 figs.

578.—Flavin, J. W. Jr. Second record of the Vermilion Flycatcher in Colorado. Condor **55** 1953 : 215.

579.—Fleming, C. A. A fourth N.Z. record of the Antarctic Sku, *Stercorarius skua maccormicki* (Saunders). Notornis **5** 1953 : 182-184 fig.

580.—Fleming, C. A. and **Serventz, D. L.** The specific name of the Little Shearwater. Emu **53** 1953 : 222.

Fleming, R. L. see Rand.

581.—Flugum, C. Birding from a tractor seat. Farm implements as a hazard to field-nesting birds. Flicker, Minnesota **25** 2 1953 : 67-71.

582.—Fluke, W. G. Baird's Sandpiper in Sussex and Kent. Brit. Birds **46** 1953 : 304 3 pls.

583.—Fontaine, V. Turkduvan, *Streptopelia decaoctis* (Friv.), en för Sverige ny fågelart. Vår Fågelv. **10** 1951 : 124-126 fig.

584.—Fordham, W. H. "Mottled" Rooks at Odsey. Trans. Herts. nat. Hist. Soc. **24** 1 1953 : 42.

585.—Fordham, W. W. (President) [Hertfordshire notes]. J. Letchworth nats' Soc. No. 7-10 1947-1950.

586.—Foschi, F. La prima cattura di "Orchetto marino" (*Oidemia nigra* L.) in Romagna. Riv. ital. Orn. **23** 1953 : 126-129 fig.

587.—Fowler, I. Responses of the chick neural tube in mechanically produced spina bifida. J. exp. Zool. **123** 1953 : 115-151 14 figs.

588.—Frank, D [and others]. Späte abzugsdaten vom Mauersegler (*Micropus apus*). Orn. Mitt. **5** 1953 : 172.

589.—Friant, M. Le "pterion" des oiseaux. C.R. Ass. Anat. No. 62 1951 : 191-193 figs.

590.—Friedlein, J. T. Birds of the North Farnbridge area in 1952 (Notes from my diary). Essex Nat. **29** 2 1953 : 105-107.

591.—Frieling, H. Was fliegt denn da ? Tabelle zum Bestimmen von 396 Vogelarten Mitteleuropas und der angrenzenden Länder. Stuttgart (Franckh'sche Verlagshandlung) 1952 Pp. 106 text illust. (col.).

592.—Frielinghaus, F. Schwarmverhalten bei der Schwanzmeise. Beitr. Naturh. Niedersachs. **6** 1 1953 : 12-13.

593.—Frings, H. and **Boyd, W. A.** Evidence for olfactory discrimination by the Bobwhite Quail. Amer. Midl. Nat. **48** 1 1953 : 181-184.

594.—Frith, H. J. and **Calaby, J. H.** The Superb Parrot in southern New South Wales. Emu **53** 1953 : 324-330 fig.

595.—Frugis, S. Considerazioni generali sulle "Garzaie" e note sui costumi della Nitticora. Riv. ital. Orn. **23** 1953 : 13-21 fig.

596.—Fry, C. H. Actions of bathing Guillemots. Brit. Birds **46** 1953 : 347.

597.—Fuggles-Couchman, N. R. The ornithology of Mt. Hanary, in north-central Tanganyika Territory. Ibis **95** 1953 : 468-482.

598.—Fuggles-Couchman, N. R. The habitat-distribution of the birds of Northern, Eastern and Central Tanganyika, with field keys. Tanganyika Notes No. 33 1952 : 48-59.

599.—Fukuda, N. *Thalasseus bergii cristatus* captured in Tokyo. Tori **13** 61 1952 : 10.

600.—Gabrielson, I. N. and **Lincoln, F. C.** Status of the Lesser Common Loon. Condor **55** 1953 : 314.

601.—Gabrielson, I. N. A. and **Lincoln, F. C.** Status of *Lagopus mutus sanfordi* Bent. Proc. biol. Soc. Wash. **66** 1953 : 203.

602.—Gana Lagos, S. Aves de los alrededores de Quirihue. Rev. chil. Hist. nat. **48** 1945 : 48-66 figs.

603.—Ganier, A. F. Observations on the Sycamore Warbler. Migrant, Tennessee, **24** 1953 : 23-25 pl.

604.—Ganier, A. F. Eagles at the Duck River refuge. Migrant, Tennessee **52** 1953 : 83-84.

605.—Ganier, A. F. and others. Notes on winter roosts. Migrant, Tennessee **24** 1953 : 29.

- 606.**—Gannon, G. R. Group nesting of mixed passerine birds. *Emu* **53** 1953 : 201–208.
- 607.**—Gannon, G. R. Group nesting of the same species of passerine birds. *Emu* **53** 1953 : 295–302.
- 608.**—Gaud, J. Sarcoptides plumicoles des oiseaux de Madagascar. *Mém. Inst. sci. Madagascar* **7A** 1 1952 : 81–107 10 figs.
- 609.**—[Gelineo, S. Influence of temperature on birds]. *Glasn. srpsk. Krely* : *Akad. N.S.* **192** 1 1949 : 115–180 [In Yugoslav].
- 610.**—George, J. C. and Jyoti, D. On the reduction of fat in the liver and in the flight muscle (pectoralis major) of *Columba livia* during flight. *J. Univ. Bombay N.S.* **21B** 5 1953 : 72–73.
- 611.**—Gerber, R. Sommerbeobachtungen im Frankenjura. *Anz. Orn. Ges. Bay.* **42** 1953 : 64–67.
- 612.**—Gerdes, K. Die Kolbenente (*Netta rufina* Pall) bei Wilhelmshaven. *Beitr. Naturh. Niedersachs.* **6** 1 1953 : 11.
- 613.**—Gerlach, R. Die Welt der Vögel. *Orn. Mitt.* **5** 1953 : 206–207.
- 614.**—Germer, M. Beobachtungen über den Beginn der Nachtruhe der Kohlmeise. *Orn. Mitt.* **5** 1953 : 215.
- 615.**—Géroudet, P. Commentaires sur les arrivées du Martinet noir. *Nos Oiseaux* **22** 1953 : 15–17.
- 616.**—Géroudet, P. Su l'alternance finale dans le chant de la Fauvette à tête noire. *Nos Oiseaux* **22** 1953 : 38–41 fig.
- 617.**—Géroudet, P. Remarques sur la migration visible dans les Alpes. *Nos Oiseaux* **22** 1953 : 92–94.
- 618.**—Géroudet, P. Le feu dans la nature. *Nos Oiseaux* **22** 1953 : 94–95.
- 619.**—Géroudet, P. Un rassemblement de Bruants proyers. *Nos Oiseaux* **22** 1953 : 99.
- 620.**—Géroudet, P. Le troisième recensement hivernale (1952–53) des oiseaux d'eau en Suisse romande. *Nos Oiseaux* **22** 1953 : 125–132.
- Géroudet, P.** see Paceaud.
- 621.**—Géroudet, P. and others. Calendrier ornithologique. Les migrations du printemps 1952. *Nos Oiseaux* **22** 1953 : 19–29.
- 622.**—Géroudet, P. and others. Calendrier ornithologique. La saison des nichées en 1952. *Nos Oiseaux* **22** 1953 : 48–53 fig.
- 623.**—Géroudet, P. [and others]. Les migrations d'été et d'automne en 1952. *Nos Oiseaux* **22** 1953 : 100–109 fig.
- 624.**—Géroudet, P. [and others]. La saison d'hiver 1952–53. *Nos Oiseaux* **22** 1953 : 138–143.
- 625.**—Geyr von Schweppenburg, H. F. Zum Reichen der Enten. *J. Orn.* **94** 1953 : 117–127.
- 626.**—Ghigi, A. Ibridi fra *Crossophilus* e *Gennaeus*. *Acta pontif. Acad. Sci.* **11** 1947 : 161–170 pls.
- 627.**—Ghigi, A. Necrologio. Filippo Cavazza. *Riv. ital. Orn.* **23** 1953 : 171–175.
- 628.**—Giai, A. G. Notas sobre la avifauna de Salta y Misiones. *Hornero* **9** 3 1951 : 247–276 figs.
- 629.**—[Gibbet, L. Character of shooting grounds in the waters of the north-western part of Karelian-Finnish Republic and the distribution of aquatic birds]. *Bull. Soc. Nat. Moscow* **58** (5) 1953 : 21–29 [In Russian].
- 630.**—Gibson, J. A. Observations on the breeding birds of Ailsa Craig in 1947. *Northw. Nat. N.S.* **1** 1 1953 : 18–22.
- 631.**—Gibson, J. A. Editor. *Glasgow Bird Bull.* **2** 1953 :
- 632.**—Gibson, J. D. and Sefton, A. Notes on the desertion of nests by Fantail-Warblers. *Emu* **53** 1953 : 74–76.
- 633.**—Gibson-Hill, C. A. Notes on the sea birds of the orders Procellariiformes and Pelecaniformes recorded as strays or visitors to the Ceylon coast. *Spolia zeylan.* **27** 1 1953 : 83–102.
- 634.**—Gilbert, H. A. and Walker, C. W. Report on ornithology. *Trans. Woolhope Nat. Fld. Cl.* **34** 1 1953 : 29–30.
- 635.**—Gile, E. D. Catalogue of quaternary types and figured specimens in the National Museum, Melbourne. *Mem. nat. Mus., Melb. No.* **18** 1953 : 157–168 pl.

- Giles, L. W.** *see* Marshall.
- 636.—Gill, G.** An unusual nest of the Common Tern (*Sterna hirundo*). *Auk* **70** 1953 : 89.
- 637.—Gilliard, E. T.** Exploring New Guinea for Birds of Paradise. *Nat. Hist. N.Y.* **62** 1953 : 248-255 figs.
- 638.—Gilliard, E. T.** New Guinea's rare birds and Stone Age men. *Nat. geogr. Mag.* **103** 4 1953 : 421-488 figs.
- Gilliard, E. T.** *see* Manuel.
- 639.—Gillin, R.** *Emberiza melanocephala* Scop. en för Sverige ny fågel. *Vår Fågelv.* **11** 1952 : 114-116 fig.
- Gillin, R.** *see* Lennerstedt.
- Gines, R. H.** *see* Aveledo.
- 640.—Gines, H., Aveledo, H. R., Pons, H., Yopez, G. and Muñoz-Tebar, R.** Lista y comentario de las aves colectadas en la region. *Mem. Soc. Cienc. nat. La Salle* **13** 35 1953 : 145-202 figs.
- 641.—Gines, H. and Yopez, T. G.** Ojeada general sobre la avifauna de la region. *Mem. Soc. Cienc. nat. La Salle* **13** 35 1953 : 135-140.
- 642.—Givens, J. V. and Hitchcock, W. B.** *Cisticola juncidis* (Raf.) in the Northern Territory. *Emu* **53** 1953 : 193-200 2 pls. fig.
- 643.—Glassel, R. A.** [and others]. Notes of interest [in mid-west U.S.A.]. *Flicker, Minnesota* **25** 1953 : 111-127.
- 644.—Glenister, T. N.** Embryology of the Emperor penguin (*Aptenodytes forsteri*). *Nature, Lond.* **171** 4347 1953 : 357.
- 645.—Glover, B.** Movements of birds in South Australia. *S. Aust. Orn.* **20** 8 1952 : 82-91.
- 646.—Glenny, F. H.** A systematic study of the main arteries in the region of the heart. *Aves XIII. Ciconiiformes*, part 2. *XIX. Apodiformes*, part 1. *XX. Caprimulgiformes*, part 1. *Ohio J. Sci.* **53** 6 1953 : 347-348 : 356-357 : 367-369 3 figs.
- 647.—Glover, B.** Bird notes. *S. Aust. Orn.* **21** 1953 : 12.
- 648.—Glover, B.** Birds recorded from Botanic Garden, Botanic Park and River Torrens bordering Botanic Park. *S. Aust. Nat.* **28** 1 1953 : 16-17.
- 649.—Glover, F. A.** A nesting study of the Band-tailed Pigeon (*Columba f. fasciata*) in Northwestern California. *Calif. Fish Game* **39** 1953 : 397-407 2 figs.
- 650.—Glover, F. A.** Record of Starling in Humboldt County, California. *Condor* **55** 1953 : 219.
- 651.—Glover, F. A.** Summer foods of the Burrowing Owl. *Condor* **55** 1953 : 275.
- 652.—Glover, F. A.** Nesting ecology of the Pied-billed Grebe in northwestern Iowa. *Wilson Bull.* **65** 1953 : 32-39 fig.
- 653.—Godfrey, W. E.** Notes on birds of the area of intergradation between eastern prairie and forest in Canada. *Bull. nat. Mus. Can.* No. 128 1953 : 189-240 fig.
- 654.—Godfrey, W. E.** Notes on Ellesmere Island birds. *Canad. Fid. Nat.* **67** 2 1953 : 89-93.
- 655.—Goethe, F.** Experimentelle Brutbeendigung und andere brutethologische Beobachtungen bei Silbermöwen (*Larus a. argentatus* Pontopp.). *J. Orn.* **94** 1953 : 160-174.
- 656.—Goethe, F.** Einige ornithologische Erinnerungen und as finnische und russische Karelien. *Ornis fenn.* **30** 1953 : 52-56.
- 657.—Goethe, F.** Soziale Hierarchie im Aufzuchtschwarm der Silbermöwen. *Z. Tierpsychol.* **10** 1953 : 44-50 3 figs.
- 658.—Goethe, F. and Kuhl, R.** Über den Mitarbeiterstab der Vogelwarten : Wer sind unsere Berichtigungsmitarbeiten ? *Vogelwarte* **16** 1953 : 138-143.
- 659.—Goethe, F. and Ringleben, H.** Steppenweihe (*Circus macrourus*) brütet 1952 auf der Nordseeinsel Norderney. *J. Orn.* **94** 1953 : 347.
- 660.—Golfetto, M.** Mic osservazioni e notizie varie di fonte attendibile. *Riv. ital. Orn.* **23** 1953 : 74-76.
- 661.—Gollan, J. S.** Un refugio de aves acuaticas : el Parque Nacional Laguna Blanca. *Hornero* **9** 1951 : 280-287 figs.
- 662.—Good, A. I.** The birds of French Cameroon. Part 1. *Mém. Inst. franç. Afr. noire. Centre Cameroun. Sci. nat.* No. 2 1952 : 1-203 52 figs.

663.—Good, A. I. The birds of French Cameroon. Part II. Mém. Inst. franç. Afr. noire Sci. nat. No. 3 1953 : 1-269 19 figs.

664.—Goodbody, I. M. The autumn migration of Skylarks in Ireland. Irish Nat. J. 11 2 1953 : 47-50. See also 53 and 54.

Goodhart, H. J. *see* Dove.

665.—Goodwin, A. W. Begging behaviour of Black-backed Gull. Brit. Birds 46 1953 : 376.

666.—Goodwin, D. A comparative study of the voice and some aspects of behaviour in two old-world Jays. Behaviour 4 1952 : 293-316 8 figs.

667.—Goodwin, D. Observations on captive Lanceolated Jays. Avicult. Mag. 59 1953 : 122-133 figs.

668.—Goodwin, D. Jays nesting in hollows in trees. Brit. Birds 46 1953 : 113.

669.—Goodwin, D. The reactions of some nesting passerines towards live and stuffed Jays. Brit. Birds 46 1953 : 193-200.

670.—Goodwin, D. Robin taking food from the bed of a shallow stream. Brit. Birds 46 1953 : 348.

671.—Goodwin, D. Some remarks on our Pigeons. Bird Notes 26 1 1953 : 2-7.

672.—Goodwin, D. Taxonomic notes on the Himalayan Alpine Accentors. Bull. Brit. Orn. Cl. 73 1953 : 28-31.

673.—Goodwin, D. Interspecific differences in the anting movements of some Corvine birds. Ibis 95 1953 : 147-149.

674.—Goodwin, D. Observations on voice and behaviour of the Red-legged Partridge *Alectoris rufa*. Ibis 95 1953 : 581-614 figs.

Gorton, E. *see* Hazelwood.

675.—Graber, J. W. Cassin's Sparrow in Cleveland County, Oklahoma. Red Crossbill in Oklahoma. Sharp-tailed Sparrow in Oklahoma. Wilson Bull. 65 1953 : 208-209.

676.—No record.

677.—Grant, C. H. B. On A. A. H. Lichtenstein's names. Bull. Brit. orn. Cl. 73 1953 : 62.

678.—Grant, C. H. B. Brisson's nomenclature in his Ornithologie, 1760. Bull. Brit. orn. Cl. 73 1953 : 74.

679.—Grant, C. H. B. On *Struthio camelus* Linnaeus. Bull. Brit. orn. Cl. 73 1953 : 82.

680.—Grant, C. H. B. On the validity of nomina nuda contained in synonymy lists. Bull. Brit. orn. Cl. 73 1953 : 91-93.

681.—Grant, C. H. B. *Micronisus* and *Melierax* [and other taxonomic notes]. Ostrich 24 1953 : 185-186.

Grant, C. H. B. *see* Harrison.

Grant, C. H. B. *see* Macdonald.

Grant, C. H. B. *see* Mackworth-Praed.

682.—Grant, C. H. B. and Clancey, P. A. On the type locality of *Petronia supercilialis* (Blyth) 1845. Ostrich 24 1953 : 128.

683.—Grant, C. H. B. and Mackworth-Praed, C. W. On the type of *Charadrius pallidus* Strickland, the name *Hiaticula heywoodii* and the races of *Charadrius marginatus* Vieillot. Bull. Brit. orn. Cl. 73 1953 : 13-14.

684.—Grant, C. H. B. and Mackworth-Praed, C. W. On the type locality of *Cursorius rufus* Gould. Bull. Brit. orn. Cl. 73 1953 : 14.

685.—Grant, C. H. B. and Mackworth-Praed, C. W. On the status and type locality of *Lanarius hybridus* Neumann, J. f. O., p. 403, 1899. Bull. Brit. orn. Cl. 73 1953 : 31.

686.—Grant, C. H. B. and Mackworth-Praed, C. W. On the status of *Heterhyphantes gollandi* Stephenson Clarke Bull. B.O.C. 31, p. 32, 1913 : Mom-bassa. Bull. Brit. orn. Cl. 73 1953 : 31-32.

687.—Grant, C. H. B. and Mackworth-Praed, C. W. Notes on some petrel names. Bull. Brit. orn. Cl. 73 1953 : 100-101.

688.—Gray, J. How animals move. Cambridge (Univ. Press) 1953, pp. xii + 114 15 pls. 52 figs.

689.—Greeley, F. and Meyer, R. K. Seasonal variation in testis-stimulating activity of male pheasant pituitary glands. Auk 70 1953 : 350-358.

690.—Greiner, R. Zwei Hausrotschwanzpaare (*Phoenicurus ochruros gibraltariensis*) nisten nebeneinander. Orn. Mitt. **5** 1953 : 215.

Grelle, G. le see Verheyen.

691.—Griffin, D. M. and Nisbet, I. C. T. Ornithological observations from Lista 1952. Sterna No. **8** 1953 : 1-36.

692.—Griffin, D. R. Sensory physiology and the orientation of animals. Amer. Scient. **41** 2 1953 : 209-244 5 figs.

693.—Griffin, D. R. Airplane observations of homing pigeons. Bull. Mus. Comp. Zool. Harv. **107** 1952 : 409-440 figs.

694.—Griffin, D. R. Acoustic orientation in the Oil bird, *Steatornis* Proc. nat. Acad. Sci., Wash. **39** 8 1953 : 884-893 2 figs.

695.—Grimes, S. A. Black-throated Oriole (*Icterus gularis*) nesting in Texas. Auk **70** 1953 : 207 pl.

696.—Grimm, W. C. Breeding of the Purple Finch (*Carpodacus purpureus*) in the Pocono region of Pennsylvania. Auk **70** 1953 : 212.

697.—Grimm, W. C. Spirit bird of the grasslands. Audubon Mag. **55** 1953 : 152-155 figs.

698.—Grimmer, R. Zur Sichtbarkeitsgrenze fliegender Vögel. Orn. Mitt. **5** 1953 : 150.

699.—Gromier, E. Le DDT est-il toxique pour les oiseaux ? Oiseau, Paris **23** 1953 : 148.

700.—[Gromov, I. M. and Egorov, O. V.] The food of brown owl from the economic point of view in eastern Pamir and Kopet-Daga. Zool. Zh., Moscow **32** 5 1953 : 964-978 3 figs. [In Russian].

701.—Grondahl, C. R. Winter behavior of the Ring-necked Pheasant, *Phasianus colchicus* as related to winter cover in Winnebago County, Iowa. Iowa St. Coll. J. Sci. **27** 4 1953 : 447-465 4 figs.

702.—Grössler, K. Zur Siedlungsdichte der Sperbers (*Accipiter nisus*). Orn. Mitt. **5** 1953 : 225-226.

703.—[Gruzdev, V. V.] The role of light on distribution of insectivorous birds in forests and sheltering belts. Zool. Zh., Moscow **31** 4 1952 : 556-563 2 figs. [In Russian].

704.—Grzycki, St. Cytochemical investigations of the nucleus and the nucleolus of the cells in the palatal glands of the domestic hen in various periods of secretory activity. Bull. int. Acad. Cracovie **1951BII** 7-10 1952 : 452-468.

705.—Guerra, M. Uccelli a becco anomalo. Riv. ital. Orn. **23** 1953 : 81-83 fig.

706.—Guerra, M. Osservazioni ornitologiche fatte all'isola di Montecristo (Arc. Toscano) dal 19 al 28 luglio 1953. Riv. ital. Orn. **23** 1953 : 147-152.

707.—Guhl, A. M. and Ortman, L. L. Visual patterns in the recognition of individuals among chickens. Condor **55** 1953 : 287-298.

708.—Guichard, G. Observations sur la migration de la Bondrée apivore *Pernis ptilorhynchus* L. Alauda **21** 1953 : 66.

709.—Guichard, G. La indification dans l'Yonne du Circaète Jean-le-blanc. (*Circaetus g. gallicus* (G. & M.)). Alauda **21** 1953 : 120-123.

710.—Guichard, K. M. A note on Weaver birds of the genus *Ploceus* in the inundation zone of the river Niger, Soudan Français. C.R. Prem. Conf. Internat. Afr. Ouest, Dakar **1** 1950 : 194-198.

711.—Guiguet, C. J. Another record of Crested Mynah on Vancouver Island. Victoria Nat. **9** 5 1952 : 52-53.

712.—Guiguet, C. J. The ancient Murrelet. Victoria Nat. **10** 6 1953 : 68-70.

713.—[Guiguet, C. J. and others] [British Columbia bird notes]. Victoria Nat. **9** 6 1952 : 61-72.

714.—Gullion, G. W. Observations on molting of American Coot. Condor **55** 1953 : 102.

715.—Gullion, G. W. Additional bird records from southern Nevada. Condor **55** 1953 : 160.

716.—Gullion, G. W. Territorial behavior of the American Coot. Condor **55** 1953 : 169-186 figs.

Gullion, W. *see* Pulich.

717.—Gurr, L. A recent attempt to introduce Virginian Quail into New Zealand. *Notornis* **5** 1953 : 164.

718.—Gurr, L. A note on the breeding age of the Red-billed Gulls (*Larus novae-hollandiae scopulinus*) at Nelson, N.Z. *Notornis* **5** 1953 : 185.

Gurr, L. *see* Marples.

719.—Guttman, B. S. Suggestions for revisions in systematic nomenclature. Flicker, Minnesota **25** 2 1953 : 62–66.

720.—Gwynn, A. M. Some additions to the Macquerie Island list of birds. *Emu* **53** 1953 : 150–151.

721.—Gwynn, A. M. The egg-laying and incubation periods of Rockhopper, Macaroni and Gentoo Penguins. Rep. Aust. Nat. Antarct. Res. Exped. Zool. **1** (2) 1953 : 1–29 4 pls. 3 figs.

722.—H—, D. Personalities. 13. Ludwig Koch. *Bird Notes* **26** 1 1953 : 8 pl.

723.—Haartman, L. von. Die Ankunftszeiten des Mauerseglers, *Apus apus* (L.), und ihre Beziehung zur Temperatur. Comment. biol. Helsingf. **11** 2 1951 : 1–21 4 figs.

724.—Haartman, L. von. Töfs-mesen (*Parus cristatus*) och några andra fåglar på Åland. Memor. Soc. Fauna Flor. fenn. **28** 1953 : 24–25.

725.—Haartman, L. v. Was reizt der Trauerfliegenschnäpper (*Muscicapa hypoleuca*) zu füttern? Vogelwarte **16** 1953 : 157–164 figs.

726.—Hachisuka, M. The Dodo and kindred birds or the extinct birds of the Mascarene Islands. London (H. F. & G. Witherby Ltd.) 1953 : Pp. xvi + 250 22 pls. figs.

727.—Hachisuka, M. Corrections of names in the avian subfamily Timaliinae. *Auk* **70** 1953 : 91.

728.—Hachisuka, M. New name for a Bush-Robin of Formosa. Bull. Brit. orn. Cl. **73** 1953 : 33.

729.—Hachisuka, M. The Japanese Bush-Robin at home. *Oolog. Rec.* **27** 1953 : 10–11.

730.—Hachisuka, M. The occurrence of some rare Japanese birds. *Tori* **13** 60 1950 : 21–24.

731.—Hachisuka, M. On the albino *Bambusicola t. thoracica*. *Tori* **13** 61 1952 : 15–16 pl.

732.—Hachisuka, M. Note on the chick of *Notornis*. *Tori* **13** 61 1952 : 24–27 fig.

733.—Hachisuka, M. On hybrids between the Green and Copper Pheasants. *Tori* **13** 62 1953 : 40–43.

734.—Hachisuka, M. The records of *Glareola p. maldivarum* in Japan. *Tori* **13** 62 1953 : 52–55.

735.—Hagen, Y. Sivhonen, *Gallinula chloropus* (L.) påvist rugende i Ser-Trøndelag i 1935. K. norske vidensk. Selsk. Årb. **1951** 1952 : 79–80.

736.—Hagen, Y. and Barth, E. K. The Gyrfalcon (*Falco rusticolus*). Biological records from Dovre in Norway. *Vår Fågelv.* **11** 1952 : 125 figs.

Hale, R. W. *see* Blyth.

737.—Hall, B. P. Note on the identity of *Hirundo substriolata* (Hume). *Ibis* **95** 1953 : 547.

738.—Hall, B. P. Colour variation in *Sturnus sinensis* (Gmelin). Bull. Brit. orn. Cl. **73** 1953 : 2–8.

739.—Hall, B. P. Notes on some Minivets in the British Museum. Bull. Brit. orn. Cl. **73** 1953 : 63–65.

740.—Haller, W. Vögel. Mitt. Aargau. naturf. Ges. No. **24** 1953 : 185–199 8 pls.

Hamilton, F. D. *see* MacGregor.

741.—Hamling, H. H. Observations on the behaviour of birds in Southern Rhodesia. *Ostrich* **24** 1953 : 9–16.

742.—Hammond, J. Jr., Kirkpatrick, C. M. and Leopold, A. C. Photoperiodicity in animals : the role of darkness. *Science* **117** 3041 1953 : 389–390.

743.—Hand, R. L. Bird notes from western Montana. *Condor* **55** 1953 : 44–46.

744.—Handley, D. Ancient Murrelet (*Synthliboramphus antiquus*) taken in Erie County, Ohio. *Auk* **70** 1953 : 206 pl.

745.—Hanks, E. S. Royal Australian Ornithologists' Union. *Vict. Nat.* **70** 8 1953 : 154.

746.—Hanks, E. S. [and others]. Branch Reports. *Emu* **53** 1953 : 20–30.

747.—Hanson, H. C. Inter-family dominance in Canada Geese. *Auk* **70** 1953 : 11–16.

748.—Hanzák, J. The Great Crested Grebe, *Podiceps c. cristatus* (L.) its ecology and economic significance. *Acta Mus. nat. Prag.* **8B** 1 1952 : 1–37 2 pls. many figs.

749.—Harber, D. D. Balearic Shearwaters off Sussex. *Brit. Birds* **46** 1953 : 64.

750.—Harber, D. D. Bird records. *J. Eastbourne nat. Hist. Soc.* **13** 3 1953 : 7–15.

751.—Harper, F. Birds of the Nueltin lake expedition, Keewatin, 1947. *Amer. Midl. Nat.* **49** 1 1953 : 1–116 9 figs.

752.—Harris, A. and others. White-rumped Sandpipers in Lancashire [and Devon]. *Brit. Birds* **46** 1953 : 260–262.

Harris, S. W. *see* Marshall.

753.—Harris, S. W. and Yocom, C. F. Birds of the Lower Grand Coulee and potholes area, Grant County, Washington. *Murrelet* **33** 1952 : 18–28 fig.

Harrison, H. H. *see* Cruickshank.

754.—Harrison, J. G. Colour change in a Ruff. *Bull. Brit. orn. Cl.* **73** 1953 : 60.

755.—Harrison, J. G. Symmetrical albinism in birds' wings. *Bull. Brit. orn. Cl.* **73** 1953 : 105–106.

756.—[Harrison, J. M.] On the significance of variations of pattern in birds. *Bull. Brit. orn. Cl.* **73** 1953 : 37–40 fig.

Harrison, J. M. *see* Hazelwood.

757.—Harrison, J. M. and Grant, C. H. B. On the specific name of the Little Shearwater. *Emu* **53** 1953 : 73.

758.—Harrison, J. M. and Grant, C. H. B. *Turdus musicus* Linnaeus. The scientific names for the Bean and Pink-footed Geese. *Ibis* **95** 1953 : 152.

759.—Harrison, J. M. and others. *Nomina conservanda* : 56. On the genus *Colymbus* Linnaeus, 1758. *Bull. Brit. orn. Cl.* **73** 1953 : 56–58.

760.—Hartley, P. H. T. An ecological study of the feeding habits of the English titmice. *J. Anim. Ecol.* **22** 1953 : 261–288 16 figs.

767.—Hartshorne, C. Musical values in Australian birds. *Emu* **53** 1953 : 109–128 figs.

768.—Harwin, R. M. and Maberley, C. T. A. Field identification of Raptores. *Bokmakierie* **5** 1953 : 30–35 figs.

769.—Harz, K. Schwalben auf Falterjagd. *Orn. Mitt.* **5** 1953 : 137.

770.—Harz, K. Zur Verbreitung der Nachtigall (*Luscinia megarhynchos*) in Bayern. *Orn. Mitt.* **5** 1953 : 213.

771.—Hatt, R. T. and Fisher, H. I. Faunal and archaeological researches in Yucatan caves. *The Birds. Bull. Cranbrook Inst. Sci. No.* **33** 1953 : 1–42 81–89 8 pls. 5 figs.

772.—Hauri, R. Abendliches Verhalten von gefangengehaltenen und wilden Stockenten. *Orn. Beob.* **50** 1953 : 28.

773.—Hauri, R. Zwergohreule bei Bern. Kuckuckswirte im Alpenegebiet. Ueber den Beutetransport beim Steinadler. *Orn. Beob.* **50** 1953 : 92–93.

774.—Hauri, R. Der Wanderfalke schlägt auch in Horstnähe Beute. Brutet die Reiherente am Thunersee ? *Orn. Beob.* **50** 1953 : 144–145.

775.—Haverschmidt, F. The Cattle Egret in South America. *Audubon Mag.* **55** 1953 : 202–204 figs.

776.—Haverschmidt, F. Notes on the life history of the Blood-colored Woodpecker in Surinam. *Auk* **70** 1953 : 21–25.

777.—Haverschmidt, F. Notes on the Yellow-Warbler in Surinam. *Auk* **70** 1953 : 369.

778.—Haverschmidt, F. Observations on the Marsh Harrier with particular reference to clutch-size and nesting-success. *Brit. Birds* **46** 1953 : 258.

779.—Haverschmidt, F. Notes on the life history of *Columbigallina talpacoti* in Surinam. *Condor* **55** 1953 : 21–25.

780.—Haverschmidt, F. Ardeidae with red legs. *Ibis* **95** 1953 : 699.

781.—[Hayward, L. W. J.]. Wheat-eater hovering during sexual display. *Brit. Birds* **46** 1953 : 113.

782.—Hazelwood, A. and Gorton, E. A new race of the Jay *Garrulus glandarius* from Scotland. *Bull. Brit. orn. Cl.* **73** 1953 : 1-2.

783.—Hazelwood, A. and Harrison, J. M. A note on *Larus "capistratus"*. *Temmick. Bull. Brit. orn. Cl.* **73** 1953 : 98-100 fig.

784.—Hebard, F. V. The Ruddy Turnstone (*Arenaria interpres*) at Beach Haven, New Jersey, in August 1950. *Auk* **70** 1953 : 493.

785.—Heer, E. Neues Vorkommen der Türkentaube im Ries. *Jh. Ver. vaterl. Württemb.* **107** 1952 : 212.

786.—Heer, E. and Schöch, I. Vom Weissen Storch in dem deutschen Kolonien Süd-Bessarabiens. *Jh. Ver. vaterl. Naturk. Württemb.* **107** 1952 : 72-88 3 figs.

787.—Hellebrekers, W. P. J. and A. W. The distribution in the Netherlands, the adaptation of the eggs and a list of partly disputed facts on the breeding biology of *Cuculus canorus*. *Limosa* **26** 1953 : 1-19.

788.—Hemming, F. Proposals for the International Commission in Zoological Nomenclature. *Ibis* **95** 1953 : 149-150.

789.—Hemming, F. Applications relating to the names of birds submitted to the International Commission on Zoological nomenclature. *Emu* **53** 1953 : 71-72.

790.—Hemming, F. Zoological nomenclature. *Science* **117** 3027 1953 : 16-17.

791.—Hemming, F. Zoological nomenclature. *Nature, Lond.* **172** 4386 1953 : 966.

792.—Henderson, M. Some observations on the Rook population of West Cheshire. *Proc. L'pool Nat. Fld. Cl. No.* **92** (1953) : 14-15.

793.—Henderson, T. and Venables, S. V. Yellow-billed Cuckoo in Shetland. *Brit. Birds* **46** 1953 : 218.

794.—Henneberg, H. R. Gelbschnäbliger Eistaucher (*Colymbus adamsii*) auf Wangerooge. *Orn. Mitt.* **5** 1953 : 212.

795.—Herberigs, H. Note sur le comportement de la Buse dans ses quartiers d'hiver. *Gerfaut* **43** 1953 : 132-142.

796.—Herberigs, H. Les Turdidés dans la vallée du Rhône. *Gerfaut* **43** 1953 : 332-339.

797.—Herbert, R. A. and Skelton, K. G. Another American Rough-legged Hawk in Florida. *Wilson Bull.* **65** 1953 : 199-200.

798.—Herman, C. M. Recognition of trichomoniasis in doves. *Bird-Banding* **24** 1953 : 11-12.

799.—Hermann, H. Abnormales Brüten eines Amselweibchens. Beutelmäsen in den Amperauen. *Anz. Orn. Ges. Bay.* **42** 1953 : 74.

800.—Hermey, W. Nest der Heckenbraunelle (*Prunella modularis*) in 2, 90 m. Höhe. *Orn. Mitt.* **5** 1953 : 35.

801.—Herroelen, P. Bijdrage tot de Studie van de vogels van de Dijlevallei en van enkele plaatsen rond Leuven. *Gerfaut* **43** 1953 : 22-28, 143-153.

802.—Herroelen, P. Het gedrag van de Gierzwaluw in Belgisch-Congo. *Gerfaut* **43** 1953 : 161-164.

803.—Herroelen, P. La chevêche à queue barrée, *Glaucidium Sjöstedti* Reichenow au Congo belge. *Bull. Cercul. zool. cong.* **21** 1953 : 9-11.

804.—Herroelen, P. L'ornithologie au Congo Belge. Une méthode de travail. *Zooleo N.S. No.* **19** 1953 : 523-534 figs.

805.—Herroelen, P. Inventaire des oiseaux de la Tshuapa. *Zooleo No.* **23** 1953 : 194-200 figs.

806.—Hertzog, L. [and Mayaud, N.]. *Oceanodroma leucorhoa* (Vieillot) en Lorraine [et dans la Sud Ouest de la France]. *Alauda* **21** 1953 : 252.

807.—Hervey, A. C. C. Changes in the bird population of Suffolk, 1900-1950. *Trans. Suffolk Nat. Soc.* **8** 1 1952 : 5-11.

808.—Heyder, R. Geselliges Füttern beim Haussperling (*Passer domesticus*). *Orn. Mitt.* **5** 1953 : 191.

809.—Hiestand, W. A. and others. Gasping patterns of the isolated respiratory centers of birds and mammals during anoxia, their phylogenetic significance, and implication in hibernation. *Physiol. Zoöl.* **26** 1953 : 167–173.

810.—Higgins, J. C. Arrival dates of Fantail and Pintail Snipe in Burma. *J. Bombay nat. Hist. Soc.* **51** 1952 : 280.

811.—Higham, W. E., Hosking, E. and Patrick, H. A. Studies of some species rarely photographed XLVIII. Little Bittern. *Brit. Birds* **46** 1953 : 138 8 pls.

812.—Higham, W. E., Yeates, G. K. and Reynolds, J. Studies of some species rarely photographed L. Little Egret. *Brit. Birds* **46** 1953 : 252 6 pls.

813.—Hight, G. L. Longevity record for Chimney Swift. *Bird-banding* **24** 1953 : 109.

Hill, W. C. O. *see* Auber.

814.—Hinde, R. A. The conflict between drives in the courtship and copulation of the Chaffinch. *Behaviour* **5** 1953 : 1–31 4 pls.

815.—Hinde, R. A. Appetitive behaviour, consummatory act, and the hierarchical organization of behaviour—with special reference to the Great Tit (*Parus major*). *Behaviour* **5** 1953 : 189–224 1 fig.

816.—Hinde, R. A. A possible explanation of paper-tearing behaviour in birds. *Brit. Birds* **46** 2 1953 : 21–23.

817.—Hinde, R. A. The term "Mimesis". *Brit. J. Anim. Behav.* **1** 1953 : 7–11.

Hinde, R. A. *see* Dunnett.

818.—Hindwood, K. A. and McGill, A. R. The Wood-Sandpiper in Australia. *Emu* **53** 1953 : 1–13 2 pls.

819.—Hindwood, K. A. The Purple-crowned Pigeon in South-eastern Australia and Tasmania. *Emu* **53** 1953 : 303–304.

820.—Hindwood, K. A. Channel-billed Cuckoo in New Caledonia. *Emu* **53** 1953 : 334.

821.—Hintema, H. Een nio-gelijkheid voor de biologische bestrijding van Luisvliegen. *Hemera Zoa, Buitenzorg* **58** 1951 : 443–452 figs.

822.—Hill, W. C. O. Report of the Society's Prosector for the year 1952. *Proc. zool. Soc. Lond.* **123** 1953 : 227–251 1 pl.

823.—Hitchcock, H. B. How do they find their way home? *Anim. King.* **56** 1953 : 9–14 6 figs.

824.—Hitchcock, W. B. Additional Victorian records, *Emu* **53** 1953 : 149.

Hitchcock, W. B. *see* Givens.

825.—Hobbs, J. N. Report on birds observed in Hertfordshire in 1950 and 1951. *Trans. Herts. nat. Hist. Soc.* **24** 1 1953 : 10–22.

Hobbs, J. T. *see* Thearle.

Hochman, B. *see* Johnston.

826.—Hoesch, W. Über die Rassenbildung der S.W.-afrikanischen Bodenvögel unter Berücksichtigung von Wasserabhängigkeit, Niederschlagsmenge und Bodenfärbung. *J. Orn.* **94** 1953 : 274–281.

827.—Hofer, H. Der Gestaltwandel des Schädels der Säugetiere und Vögel, mit besonderer Berücksichtigung der Knickstypen und der Schädelbasis. *Verh. anat. Ges. Jena* **50** 1952 : 102–113.

828.—Hofer, H. Die Kiefermuskulatur der Papageien als Evolutionsproblem. *Biol. Zbl.* **72** 5–6 1953 : 225–232 3 figs.

829.—Hoffmann, L. and Wackernagel, H. Rectification concernant le découverte de Martinets pâles à Banyuls. *Oiseau, Paris* **23** 1953 : 74.

830.—Hofslund, P. B. The birds of the Nortondali Tract, Duluth, Minnesota. The 1952 Christmas Count. *Flicker* **25** 1953 : 4–9, 24–27.

831.—Hohlt, H. Austausch von Begrüssungen zwischen Pirol und Wacholderdrossel. *J. Orn.* **94** 1953 : 348.

832.—Hohn, E. D. Display and mating behaviour of the Black Grouse. *Lyrurus tetrix* (L.). *Brit. J. Anim. Behav.* **1** 1953 : 48–58 3 figs.

- 833.—Hohn, H. O.** An Indigo Bunting in Alberta. *Canad. Fld. Nat.* **66** 5 1952 : 145.
- 834.—Hohn, E. O.** Song Sparrows in central Alberta in winter. *Canad. Fld. Nat.* **67** 2 1953 : 94.
- 835.—Holdom, M. W.** Pine Grosbeaks in Surrey B.C. *Murrelet* **34** 1953 : 48.
- 836.—Holgersen, H.** On a collection of birds from Jan Mayen. *Astarte* **5** 1953 : 1-9.
- 837.—Holgersen, H.** Bird-banding in Norway 1952. *Sterna* No. 11 1953 : 1-33.
- 838.—Holgersen, H.** Banding shore birds in southern Norway. *Bird-Banding* **24** 1953 : 147-153 figs.
- 839.—Holgersen, H.** Stavanger Museums Ringmarkingsarbeid 1952. *Stavanger Mus. Årb.* **1952** 1953 : 79-86 [English summary].
- 840.—Holgersen, H.** Smånotiser om fugle [with English summary]. *Stavanger Mus. Årb.* **1952** 1953 : 69-78 figs.
- 841.—Holland, C. W.** A plea for the native birds. *Queensl. Nat.* **14** 4 1952 : 80-82.
- 842.—Holliday, C. S. and Tait, I. C.** Note on the nidification of *Buccanodon olivacea woodwardi* (Shelley). *Ostrich* **24** 1953 : 115-117.
- 843.—Hollom, P. A. D.** Le Chevalier stagnatile en Camargne. *Alauda* **21** 1953 : 135.
- 844.—Hollom, P. A. D. and Nicholson, E. M.** Le Bécasseau falcinelle ou platyrhynque en Camargue. *Alauda* **21** 1953 : 68.
- 845.—Holme, H. C. and Simms, E.** Black-eared Wheatear in London. *Brit. Birds* **46** 1953 : 66-67.
- 846.—Holstein, V.** Fuglelivet på Jaegerspris gods. Iagttagelser fra 1929 til 1952. I. Landskabsbeskrivelse.—Lommer (*Colymbi*) til Rovfugle (*Accipitres*) : 179-213. II. Hønsfugle (*Galli*) til Spaetter (*Pici*). *Dansk orn. Foren. Tidsskr.* **47** 1953 : 225-245.
- 847.—Home, W. M. L.** Paper-tearing by birds. *Brit. Birds* **46** 1953 : 16-21.
- 848.—Homes, R. C.** Duck census in the London area 1951-1953. *Lond. Bird Rep. No.* 17 1952 : 38-41.
- 849.—H[omes], R. C.** Obituary : A. H. Macpherson. *Ibis* **95** 1953 : 543.
- 850.—Hoogerwerf, A.** Iets over *Pericrocotus cinnamomeus caturatus* Baker. *Madj. Ilmu Al. unt. Indones.* **108** 5-6 1952 : 178-180.
- 851.—Hoogerwerf, A.** Merkwaardige en zeldzame vogels in Kebun Raya Indonesia te Bogor. *Madj. Ilmu Al. unt. Indones.* **109** 1-3 1953 : 63-80 5 figs.
- 852.—Hoogerwerf, A.** An ornithological bibliography, having particular reference to the study of the birds of Java. *Bull. Org. sci. Res. Indones.* Nos. 13 & 14 1953 : 1-72.
- 853.—Hoogerwerf, A.** An ornithological bibliography having particular reference to the study of the birds of Java. *Bull. Org. sci. Res. Indones.* Nos. 15-16 1953 : 73-168.
- 854.—Hoogerwerf, A.** The first breeding cases of *Plegadis falcinellus peregrinus* on West-Java. *Limosa* **26** 1953 : 20-29 pl.
- 855.—Hoogerwerf, A.** *Phalacrocorax sulcirostris turritori* as a breeding bird in West-Java, 1952. *Limosa* **26** 1953 : 71-79 pl.
- 856.—Hoogerwerf, A.** Notes on the vertebrate fauna of the Krakatau Islands with special reference to the birds. *Treubia* **22** 1953 : 319-348 6 pls.
- 857.—Hoogerwerf, A.** Some notes about the nature reserve Pulau Panaitan (Prinseneiland) in Strait Sunda, with special reference to the avifauna. *Treubia* **21** 1953 : 481-505 8 figs.
- 858.—Hook, R.** The Lammergeier in Eastern Africa. *J. E. Afr. nat. Hist. Soc.* **20** 2 1952 : 66-67.
- 859.—Hopkins, N.** Observations of a Bower-bird playground. *Emu* **53** 1953 : 279-280.
- 860.—Hopkins, N. and Meiklejohn, M. F. M.** Long stay of Iceland Gull in Lanarkshire. *Brit. Birds* **46** 1953 : 112.

861.—Horváth, L. The Ornis of the Mecsek mountains based on oecologic and oologic researches. *Ann. hist.-nat. Mus. hung. N.S.* **4** 1953 : 211-225.

Hosking, E. *see* Higham.

862.—Hoskins, L. W. Sight record of Yellow-shafted Flicker in South Idaho. *Murrelet* **34** 1953 : 48.

863.—Hotchkiss, C. T. Winter bird census in a South Florida hammock and slough. *Quart. J. Fla. Acad. Sci.* **16** 1 1953 : 23-34 fig.

864.—Howell, J. R. Racial and sexual differences in migration in *Sphyrapicus varius*. *Auk* **70** 1953 : 118-126.

865.—Hoyt, S. A. An unusual accident to a Bronzed Grackle. *Bird-Banding* **24** 1953 : 110.

866.—Hoyt, S. F. Forehead color of the Piliated Woodpecker (*Dryocopus pileatus*). *Auk* **70** 1953 : 209.

867.—Hoyt, S. F. Incubation and nesting behavior of Chuck-will's-widow. *Wilson Bull.* **65** 1953 : 204-205.

868.—Huber, J. Fichtensamennahrung beim Mittelspecht. Pilznahrung bei der Misteldrossel. *Orn. Beob.* **50** 1953 : 29.

868a.—Hudson, G. E. Northern Waterthrush (*Seiurus noveboracensis*) in Grant County, Washington. *Murrelet* **33** 1952 : 44.

868b.—Hudson, G. E. Black-billed Cuckoo (*Coccyzus erythrophthalmus*) at Gray's Lake, Bonneville County, Idaho. *Murrelet* **33** 1952 : 44.

869.—Hüe, F. Oiseaux rencontrés au Tafilalet et au sud du Haut Atlas. *Alauda* **21** 1953 : 128-131.

870.—Hüe, F. Note sur la couleur des pattes d'*Ardea cinerea* L. Note sur l'Ibis noir *Geronticus eremita* (L.) en Maroc. Note sur le Martinet à croupion blanc *Apus affinis* (Gray). *Alauda* **21** 1953 : 193-194.

871.—Hüe, F. Notes sur le Coucougeai dans le Midi de la France. *Oiseau, Paris* **23** 1953 : 297-299 fig.

Hüe, F. *see* Etchécopar.

872.—Huenecke, H. S. White-winged Scoter nesting record in North Dakota. *Auk* **70** 1953 : 366.

873.—Hughes, V. R. The Baginton bird sanctuary. *Proc. Coventry nat. Hist. sci. Soc.* **2** 7 1953 : 202-207.

874.—Hulse, D. C. and Atkeson, T. Z. Fishing by the Common Crow (*Corvus brachyrhynchos*). *Auk* **70** 1953 : 373.

875.—Hummelinck, P. W. Islote Aves, een Vegeleiland in de Caraïbische Zee. *West.-ind. Gids* **33** 1952 : 23-34 8 figs.

876.—Hungerford, K. E. Some observations on the life history of the Idaho Ruffed Grouse. *Murrelet* **34** 1953 : 35-40 1 fig.

877.—Huntington, C. E. Hybridization in the Purple Grackle, *Quiscalus quiscula*. *Syst. Zool.* **1** 1952 : 149-170 6 figs.

878.—Hutt, F. B. The Jansen Khaki Campbell Ducks. *J. Hered.* **43** 6 1952 : 277-281 4 figs.

879.—Huxley, J. S. and Brown, P. E. The song of the Woodpigeon. *Brit. Birds* **46** 1953 : 399-404.

880.—Hyde, A. S. Unusual records from western Colorado. *Condor* **55** 1953 : 216.

881.—Hyde, A. S. Perceptive powers of a Duck Hawk. *Condor* **55** 1953 : 277.

882.—Hyem, E. L. Notes on the nesting of the Spotted Quail-Thrush. *Emu* **53** 1953 : 273-276 2 pls.

883.—Hyuga, I. Two nest boxes occupied by *Muscicapa n. narcissina*. *Tori* **13** 61 1952 : 19-20.

884.—Imhof, T. A. Effect of weather on spring bird migration in northern Alabama. *Wilson Bull.* **65** 1953 : 184-195 fig.

885.—Indri, G. L'Assiolo. *Riv. ital. Orn.* **23** 1953 : 133.

886.—Inglis, C. M. Birds of the Duars. *J. Bengal nat. Hist. Soc.* **26** 1 1953 : 1-8, 47-56.

887.—Inglis, C. M. Birds of the Duars. *J. Bengal nat. Hist. Soc.* **26** 1953 : 93-99.

888.—Inglis, C. M. The Travancore-Cochin State Backwaters and the Vembanad Lake and the Garganey on the latter. *J. Bengal nat. Hist. Soc.* **26** 1953 : 147 pl.

889.—Ingram, C. How a bird moults. *Country Life* **114** 1953 : 284–285 figs.

890.—Ingram, G. C. S. The Great Crested Grebe. *Country-side N.S.* **16** 12 1953 : 461–464.

891.—Inman, E. B. and Eitel, W. A preliminary report on trapping and marking Bobwhite Quail. *Proc. Okla. Acad. Sci.* **30** 1951 : 215–216.

892.—Inouye, M. An examination of the food habits of birds as viewed from the control of May Beetles. *Tori* **13** 60 1950 : 9–21 [in Japanese résumé p. 60].

893.—Irving, L. The naming of birds by Nunamiat Eskimo. *Arctic, Montreal* **6** 1 1953 : 35–43 map.

894.—Irwin, M. P. S. Notes on some birds of Mashonaland, Southern Rhodesia. *Ostrich* **24** 1953 : 37–49.

895.—Irwin, M. P. S. Remarks on the distribution of birds collected in Mashonaland and eastern Southern Rhodesia (Part 1). *Ostrich* **24** 1953 : 141–147.

896.—Irwin, M. R. Evolutionary patterns of antigenic substances of the blood corpuscles in Columbidae. *Evolution* **7** 1 1953 : 31–50.

897.—[Ivanauskas, T. L. Migrations of birds in Lithuania]. *Zool. Zh. Moscow* **31** 6 1952 : 916–922 map [In Russian].

898.—[Ivanov, A. I. Spring observations on birds in south-west coasts of Caspian sea. Summer avifauna in Suputinsk game reserve]. *Trav. Inst. zool. Acad. Sci. U.R.S.S.* : **9** 1952 1061–1099 [In Russian].

899.—Jaeger, E. C. Poorwill sleeps away the Winter. *Nat. geogr. Mag.* **103** 2 1953 : 273–280 figs.

900.—Jack, N. Some Brisbane Honeyeaters. *Queensl. Nat.* **14** 5 1953 : 14–16.

901.—Jacobs, J. Nidification due Grèbe oreillard (*Podiceps caspius*) en Campine belge. *Gerfaut* **43** 1953 : 12 pl.

902.—Jakobs, B. Steinhühner (*Alectoris graeca saxatilis* Meyer) als seltene Gäste im Moselland. *Orn. Mitt.* **5** 1953 : 229.

903.—Jany, J. E. Zur Lebensweise und Verbreitung von *Stachyris melanothorax* (Temm.). *Treubia* **22** 1953 : 271–274.

904.—Jany, J. E. Angaben über die Damar-Drossel, *Geocichla citrina* (Lath.), von Java. *Treubia* **22** 1953 : 349–356 fig.

905.—Jarman, H. The R.A.O.U. Camp-out in central Australia, 1952. *Emu* **53** 1953 : 169–184 7 pls.

906.—Jeffrey, F. R., Fox, T. W. and Smyth, J. R. Jr. Observations on double-yolked eggs from the domestic fowl. *J. Hered.* **44** 5 1953 : 213–216 1 fig.

907.—Jenkins, A. R. Little Crake in Hertfordshire. *Brit. Birds* **46** 1953 : 452.

908.—Jenkins, D. A study of habitat selection of birds in North West Vesterålen. *Sterna* No. 9 1953 : 1–51 text illust.

909.—Jenkins, D. Migration in late September and early October 1951. *Brit. Birds* **46** 1953 : 77–98, 121–131.

910.—Jenner, C. E. and Engels, W. L. The significance of the dark period in the photoperiodic response of male Juncos and White-throated Sparrows. *Biol. Bull. Woods Hole* **103** 1952 : 345–355 2 figs.

911.—Jenning, W. The activities of the ornithological station at Ottenby in 1952. (Ottenby Bird Station Report No. 16) [Summary : 164]. *Vår Fågelv.* **12** 1953 : 145–165.

912.—Jensen, C. F. Stor Tornskade (*Lanius e. excubitor* L.). Som ynglende øst for Jarm. *Flora og Fauna* **58** 3–5 1952 : 115–116.

913.—Jensen, L. L. The Greenland Falcon (*Falco rusticolus candicans* Gm.) obtained in Denmark (English summary). *Dansk orn. Foren. Tidsskr.* **47** 1953 : 96–98 fig.

914.—Jespersen, P. Sur les dates d'arrivée et de départ de la Cigogne blanche (*Ciconia ciconia* L.) en Algérie. *Bull. Soc. Hist. nat. Afr. N.* **40** 5–6 1949 : 138–159 21 figs.

915.—Jeter, H. H. Smith's Longspur : an addition to the Louisiana list. *Wilson Bull.* **65** 1953 : 212.

916.—**Jewett, S. G.** *Branta canadensis occidentalis* in the Willamette Valley, Oregon. *Murrelet* **34** 1953 : 10.

917.—**Jirsik, J.** Prispevek k reseni vztahu havrana polniho (*Corvus frugilegus* L.) K polnimu hospodarstvu a mystivosti. I. Zool. ent. Listy **15** 3 1952 : 158–170.

918.—**Jobin, L.** A record of the Hudsonian Godwit in the Cariboo District of British Columbia. *Condor* **55** 1953 : 318.

919.—**Jobin, L.** Notes and records of Peales Falcon and the Duck Hawk in the Cariboo, British Columbia, Canada. *Murrelet* **33** 1952 : 42–43.

920.—**Jobin, L.** Records of the Burrowing Owl and the Long-Eared Owl in the Cariboo, British Columbia, Canada. *Murrelet* **33** 1952 : 43.

921.—**Jobin, L.** Notes and new records of *Falco rusticolus obsoletus* for the Cariboo District of British Columbia, Canada. *Murrelet* **33** 1952 : 43–44.

922.—**Johansson, P. A.** and others. [Finnish bird notes]. *Ornis fenn.* **30** 1953 : 91–96, 117–123.

923.—**Johnson, N. K.** Dipper eaten by Brook Trout. *Condor* **55** 1953 : 158.

924.—**Johnson, R. A.** Breeding notes on two Panamanian Antbirds. *Auk* **70** 1953 : 494.

925.—**Johnston, R. F.** and **Hochman, B.** Erythrocyte permeability and bird relationships. *Condor* **55** 1953 : 154 fig.

926.—**Johnston, D. W.** Wintering Palm Warbler at Berkeley, California. *Condor* **55** 1953 : 276.

927.—**Johnstone, W. B.** Mating of the Red-necked Grebe. *Canad. Fld. Nat.* **67** 1953 : 181.

928.—**Jollie, M.** Plumages, molt, and racial status of Red Crossbills in northern Idaho. *Condor* **55** 1953 : 193–197.

929.—**Jollie, M.** Are the Falconiformes a monophyletic group? *Ibis* **95** 1953 : 369–371.

930.—**Jollie, M.** The birds observed in Idaho by the Lewis and Clark Expedition 1804–1806. *Murrelet* **34** 1953 : 1–5.

931.—**Jollie, M.** New birds from Whitman County, Washington. *Murrelet* **33** 1952 : 42.

932.—**Jones, G. E.** Groove-billed Ani in Oklahoma. *Wilson Bull.* **65** 1953 : 202.

933.—**Jones, G.** and **Langston, R.** Vitamin A storage in pen-reared Bobwhite Quail. *Proc. Okla. Acad. Sci.* **30** 1951 : 52–56.

934.—**Jonston, T. L.** The Greater Black-backed Gull on the Cumberland Solway. *Trans. Carlisle nat. Hist. Soc.* **8** 1954 : 8–13.

Joos, M. *see* **Collias.**

935.—**Jordans, A. v.** and **Steinbacher, J.** Beiträge zur Avifauna der Iberischen Halbinsel. *Ann. Naturhist. Mus. Wien* **52** 1941 : 200–244.

936.—**Jouanin, C.** Note sur la *Sterna fuscata* L. en Polynésie française. *Oiseau, Paris* **23** 1953 : 149–150.

937.—**Jouanin, C.** Note complémentaire sur les *Oceanodroma leucorhoa* (Vieillot) échoués en France en automne 1952. *Oiseau, Paris* **23** 1953 : 240–242.

938.—**Juoanin, C.** A propos de la nidification du Petrel minute (*Halocyptena microsoma coues*). *Oiseau, Paris* **23** 1953 : 300–302.

Jouanin, C. *see* **Milon.**

939.—**Juoanin, C.** and **Prévost, J.** Captures de Manchots inattendus en Terre Adélie et considerations systematiques sur *Eudyptes chrysolophus schlegeli*. *Oiseau, Paris* **23** 1953 : 281–287.

940.—**Junge, G. C. A.** Fossil bones of a White-tailed Eagle, *Haliaeetus albicilla* (L.) from the Tegelen Clay. *Proc. Acad. Sci. Amst.* **56B** 3 1953 : 285–290.

941.—**Junge, G. C. A.** Scientific results of the Surinam Expedition 1948–1949. Part II. Zoology No. 3 Birds. *Zool. Meded.* **32** 1953 : 41–42.

942.—**Junge, G. C. A.** and **Taapken, J.** Resultaten van het ringonderzoek betreffende de vogeltrek, ingesteld door het Rijksmuseum van Natuurlijke Historie te Leiden, XXXVIII (1951), 2c. deel. [and XXXIX (1952)]. *Limosa* **26** 1953 : 49–70, 80–99.

943.—Juutinen, P. Isonkäglinn (*Loxia pytyopsittacus* Borkh.) esütyntymisestä ja raoinnosta Pohjois-Karjalassa Kesinä 1947–50. Luonnon Julk. 56 2 1952 : 52–54 figs.

944.—Kahmann, H. Die Bestimmung der Brandmaus (*Apodemus agrarius*) aus Eulengewöllen. Orn. Mitt. 5 1953 : 121–125 figs.

945.—Kahmann, H. Das Ergebnis der Zergliederung von Eulengewöllen und seine wissenschaftliche Verwertung. Orn. Mitt. 5 1953 : 201–205.

946.—Kaiser, W. Vom Limikolen-Zug im mecklenburgischen Binnenland. Orn. Mitt. 5 1953 : 163–165 figs.

947.—Källén, B. On the nuclear differentiation during ontogenesis in the avian forebrain and some notes on the amniote strioamygdaloid complex. Acta anat. 17 1953 : 72–84 11 figs.

948.—Kapadia, H. R. Detection of poison in food (by noting its effects on birds and beasts). J. Univ. Bombay N.S. 22 2 1953 : 91–96.

949.—Karczewski, Z. The avifauna of Lake Druzno. [English summary]. Prace Kom. biol., Poznań 14 2 1953 : 1–22.

950.—Karvik, N. G. The Thrush Nightingale (*Luscinia luscinia*) in Dalsland [Summary]. Vår Fågelv. 11 1952 : 80.

Kassing, E. F. see Letson.

951.—Kate, C. G. B. ten. Ornithologie van Nederland 1952. II en 1953. Limosa 26 1953 : 100–116 2 figs.

952.—Kate, C. G. B. ten. On the value of osteological characters to distinguish *Stercorarius longicaudus* and *parasiticus*. Limosa 26 1953 : 116–119.

953.—Kate, C. G. B. ten and Taapken, J. Terugvondsten van in het buitenland geringde vogels, 26. Limosa 26 1953 : 123–133.

954.—Kato, C. Record of albino *Hirundo rustica gutturalis* in Niigata Pref. Tori 13 60 1953 : 38 fig.

955.—Kauth, H. and Sommer, H. Das ferment Kohlensäureanhydratase im Tierkörper. IV. Über die Funktion des Pektin im Vogelaug. Biol. Zbl. 72 3–4 1953 : 196–209 9 figs.

956.—Kay, G. T. [and others]. [Scottish bird notes]. Scot. Nat. 65 1 1953 : 50–61.

957.—Keast, A. Adventures with Centralian birds. Aust. Mus. Mag. 10 12 1952 : 385–390 7 figs.

958.—[Kelelnikov, A. A.] Quantitative data on birds of Volga-Ural sands]. Bull. Soc. Nat. Moscow 58 (3) 1953 : 40–43 [In Russian].

959.—Kellogg, P. P. and Stein, R. C. Audio-spectrographic analysis of songs of the Alder Flycatcher. Wilson Bull. 65 1953 : 75–80.

960.—Kelso, L. Some fundamentals of the feather (IV & V). Biol. Leaf. No. 63 1952 : 1–5, No. 64 1953 : 1–2.

961.—Kepka, O. Eisente (*Clangula hyemalis*) innerhalb der Stadt Graz. Orn. Mitt. 5 1953 : 115.

962.—Kepka, O. Seltene Durchzüchter in Österreich. Orn. Mitt. 5 1953 : 193.

963.—Kerros, G. de. La Huppe en Bretagne. Oiseau, Paris 23 1953 : 307.

964.—Kessel, B. Second broods of the European Starling in North America. Auk 70 1953 : 479–483.

965.—Kessel, B. Distribution and migration of the European Starling in North America. Condor 55 1953 : 49–67.

966.—Keve, A., Zsák, Z. and Kaszab, Z. The agricultural significance of the quail. [English summary]. Ann. hist. nat. Mus. hung. N.S. 4 1953 : 197–209.

967.—Key, H. A. S. [Bird notes]. Beds. Nat. No. 7 1953 : 25–32.

968.—Keywood, K. P. and Melliush, W. D. A report on the bird population of four gravel pits in the London area, 1948 to 1951. Lond. Bird Rep. No. 17 1953 : 43–72 4 figs.

969.—Kiefer, H. Die Vogelwelt der Beckeder Elbmarsch. Beitr. Naturk. Niedersachs. 6 2 1953 : 41–44.

970.—Kieffer, C. Quelques observations sur le *Picathartes oreas* Rchw. Oiseau, Paris 23 1953 : 142–144.

971.—Kilham, L. Warblers, hummingbird, and sapsucker feeding on sap of yellow birch. Wilson Bull. 65 1953 : 198.

972.—Killpack, M. L. Lapland Longspur and Snow Bunting recorded in Utah. *Condor* **55** 1953 : 152.

973.—Kimsey, J. B. Northward extension of the range of the California Road-runner in California. *Condor* **55** 1953 : 215.

974.—King, B. Scarlet Grosbeak in Somerset. *Brit. Birds* **46** 1953 : 221.

975.—King, B. Numbers of Whimbrel inland in Somerset. *Brit. Birds* **46** 1953 : 411.

976.—King, B. Meadow Pipits swimming in calm water. *Brit. Birds* **46** 1953 : 415.

King, B. see Chadwick.

977.—King, J. R. Nesting of the Western Flycatcher in Whitman County, Washington. *Murrelet* **33** 1952 : 29-30.

978.—King, J. R. The Black-Billed Cuckoo in Eastern Washington. *Murrelet* **33** 1952 : 44-45.

979.—Kingsbury, J. W., Allen, V. G. and Rotheram, B. A. The histological structure of the beak in the chick. *Anat. Rec.* **116** 1953 : 95-115 12 figs.

980.—Kinnear, N.[B.] The history of Indian mammalogy and ornithology. Part II. Birds. *J. Bombay nat. Hist. Soc.* **51** 1 1952 : 104-110.

981.—K[innear], N. B. Obituary : E. H. Lowther. *Ibis* **95** 1953 : 543.

982.—K[innear], N. B. Obituary : Leonora Jeffrey Rintoul. *Ibis* **95** 1953 : 693-694 pl.

983.—[Kirikov, S. V.] Birds and mammals in the conditions of the landscapes of the southern extremity of the Urals. *Moskva* 1952 : 1-410 ilc. [D.S.I.R. No. 57].

984.—Kirkpatrick, K. M. Feeding habit of Indian Pond Heron (*Ardeola grayii*). *J. Bombay nat. Hist. Soc.* **51** 2 1953 : 507.

985.—[Kistyakovskii, O. B.] The birds of Trans-Carpathian Province]. *Trud. Inst. Zool. Kiev* **4** 1950 : 3-77 12 figs. [In Ukrainian].

986.—Kitchener, H. J. The eggs of the Nightjar. *Malay Nat. J.* **8** 1953 : 62 pl.

987.—Kiyosu, Y. Shigekazu Kobayashi : an appreciation. *Tori* **13** 61 1952 : 1 3 pl.

988.—Kleinschmidt, A. *Targos tracheliotus todei* forma nova, ein mittel-europäischer fossiler Ohrengerät aus dem Diluvium von Salzgitter-Lebens-tekt. *Bonn. zool. Beitr.* **4** 1953 : 21-30 4 figs.

989.—Kleinschmidt, O. Herausgeber : *Falco* **35** 3-5 1939, **36-40** 1940-44.

990.—Kluyver, H. N. and Tinbergen, L. Territory and the regulation of density in titmice. *Arch. neerl. zool.* **10** 1953 : 265-289 4 figs.

991.—Knecht, S. [and others]. Spottende Mönchsgrasmücken (*Sylvia atricapilla*). *Orn. Mitt.* **5** 1953 : 168-169.

992.—Kobayashi, H. Effect of hormonal steroids on molting and broodiness in the canary. *Annot. zool. jap.* **25** 1952 : 128-134 7 figs.

993.—Kobayashi, H. Studies on molting in the pigeon V. Oxygen consumption of the brooding pigeon and of the Thiourea-treated pigeon. *Annot. zool. jap.* **25** 1952 : 371-376.

994.—Kobayashi, H. Acceleration of molting in the canary by reducing the daily light period. *Annot. zool. jap.* **26** 1953 : 156-161, 2 figs.

995.—Kobayashi, H. A breeding observation of the Eastern Great White Egret, *Egretta alba modesta* (Gray). *Tori* **13** 60 1953 : 39-49.

996.—Kobayashi, K. Occurrences of *Sterna albifrons sinensis* and *Sterna hirundo longipennis* at Osaka Bay, Honshu, Japan. *Emu* **53** 1953 : 146-148 pl.

997.—Kobayashi, K. A specimen record of *Thalasseus bergii cristatus* from the Inland Sea. *Tori* **13** 61 1952 : 11.

998.—Kobayashi, K. On the breeding of the Osprey in Japan. *Tori* **13** 62 1953 : 35-39.

999.—Kobayashi, K. Some observations on *Egretta alba modesta* in the Kansai District. *Tori* **13** 62 1953 : 43-68.

1000.—Koch, H. J. and Bont, A. F. de. Standard metabolic rate, weight changes and food consumption of *Fringilla c. coelebs* L., during sexual maturation. Ann. Soc. zool. Belg. **82** 1951 [1952] : 143–154 2 figs.

1001.—Koelz, W. N. New races of Assam birds. J. zool. Soc. India **4** 1953 : 153–155.

1002.—Koenig, O. Individualität und Persönlichkeitsbildung bei Reihern. J. Orn. **94** 1953 : 315–341 2 pls.

1003.—Koepcke, H.-W. and M. Die warmen Feuchtluftwüsten Perus. Bonn. zool. Beitr. **4** 1953 : 79–146 52 figs.

1004.—Koepcke, H.-W. and M. Sobre el proceso de transformacion de la materia organica en las playas arenosas marinas del Peru. Rev. Cienc. Lima **54** 1–2 1952 : 5–29 2 pls. 1 fig.

1005.—Kötter, F. Vordringen der Wacholderdrossel (*Turdus pilaris*) im Leine-Weserbergland. Orn. Mitt. **5** 1953 : 214.

1006.—Kötter, F. Biotopausweitung bei der Hohltaube (*Columba oenas*) ? Orn. Mitt. **5** 1953 : 227.

1007.—Kowalski, S. Visite de printemps à quelques îles et îlots bretons (Bas-Gueneau) Pierre-Percée, Ile Dumet, Houat, Ile aux Chevaux.) Alauda **21** 1953 : 186–190.

1008.—[Kozlova, E. V.] Avifauna of the Tibetan highland, its relationship and history]. Trav. Inst. zool. Acad. Sci. U.R.S.S. **9** 1952 : 964–1028 28 pp. [In Russian].

1009.—Krabbe, K. H. Studies on the morphogenesis of the brain in birds. (Morphogenesis of the vertebrate brain V). Copenhagen (Ejner Munksgaard) 1952 : 1–101 53 pls.

1010.—Kramer, G. Über Wachstum und Entwicklung der Vögel. J. Orn. **94** 1953 : 194–199.

1011.—Kramer, G. Wird die Sonnenhöhe bei der Heimfindorientierung verwertet ? J. Orn. **94** 1953 : 201–219.

1012.—Kramer, G. Danebenfliegen und Überfliegen beim Heimflug von Brieftauben. Vogelwarte **16** 1953 : 146–148 fig.

1013.—Krog, J. Notes on the birds of Amchitka Island, Alaska. Condor **55** 1953 : 299–304 figs.

Kruber, W. see Eichler.

Kruijt, J. P. see Oordt.

1014.—Kuhk, R. Lautäusserungen und jahreszeitliche Gesangstätigkeit des Rauhfusskauzes, *Aegolius funereus* (L.). J. Orn. **94** 1953 : 83–93.

1015.—Kuhk, R. Vorkommen des Mauerläufers (*Tichodroma muraria*) in Baden-Württemberg. Jh. Ver. Vaterl. Naturk. Württemb. **108** 1953 : 139–140.

Kuhk, R. see Goethe.

Kuhk, R. see Riegel.

1016.—Kuhlemann, P. Im Ampermoos. Orn. Mitt. **5** 1953 : 103–104 fig.

1017.—Kuhlemann, P. Die Entenkatastrophe von Hohwacht. Orn. Mitt. **5** 1953 : 111–113 fig.

1018.—Kuhlmann, H. Türken- tauben (*Streptopelia decaocto*) in Ostwestfalen : 33. Wacholderdrossel (*Turdus pilaris*) Brutvogel im Kreis Höxter/Westfalen. Orn. Mitt. **5** 1953 : 35.

1019.—Kuhlmann, H. Von den letzten Störchen Westfalens. Orn. Mitt. **5** 1953 : 131.

1020.—Kühn, H.-J. Kohlmeise (*Parus major*) imitiert Haubenlerchenruf. Orn. Mitt. **5** 1953 : 229.

1021.—Kuhn, O. Zwillingsfedern bei Haustauben. Zool. Anz. **151** 1953 : 147–156 8 figs.

1022.—Kumagai, S. Old record of *Dryocopus martius* from Sendai. Tori **13** 61 1952 : 12–15.

1023.—[Kumari, A. R.] The food of *Pluvialis a. apricarius* and the importance of its distribution in the forest area]. Zool. Zh., Moscow **32** 2 1953 : 288–293 map [In Russian].

1024.—Kume, M. Differentiation of blood vessels of renal circulation independent of the mesonephros in the chick. Annot. zool. jap. **25** 1952 : 63–68 2 figs.

1025.—Kumerloeve, H. Vom Rückgang der Nebelkrähen im Osnabrücker Land. Beitr. Naturk. Niedersachs. **6** 1 1953 : 7–8.

1026.—Kumerloeve, H. Zur Kenntnis der Osnabrücker Vogelwelt (Stadt und Landkreis). Jber. naturw. Ver.-Osnabrück **25** 1950 : 147-310 33 figs.

1027.—Kumerloeve, H. Sul ginandromorfismo bilaterale negli uccelli. Dell'allevamento degli Ortolani, *Emberiza hortulana* L. in cattività. Riv. ital. Orn. **23** 1953 : 77-79.

1028.—Kumerloeve, H. Rekordhascherei und Greifvogelvernichtung. Orn. Mitt. **5** 1953 : 2.

1029.—Kumerloeve, H. Rabenkrähen als Forellenfischer. Orn. Mitt. **5** 1953 : 35.

1030.—Kumerloeve, H. Stelzen (*Motacilla*) auf der Insel Amrum. Orn. Mitt. **5** 1953 : 74-75 figs.

1031.—Kumerloeve, H. Hochflugjagd des Merlins (*Falco columbarius aesalon* Tunist). Orn. Mitt. **5** 1953 : 132.

1032.—Kumerloeve, H. and Rimmert, H. Weitere Gewölkstudien an Amrumer Waldohreulen (*Asio otus* (L.)). Orn. Mitt. **5** 1953 : 48-50.

1033.—Kuno, K. Adaptability of the Lark and the Great Reed-Warbler to their different habitats. Tori **13** 60 1950 : 24-33.

1034.—Kunz, H. Die Alpenseglerkolonie bei Meiringen. Orn. Beob. **50** 1953 : 91.

1035.—Kuroda, N. A wild hybrid between *Branta* and *Anser* obtained in Japan. Condor **55** 1953 : 100.

1036.—Kuroda, N. New localities and notes of Japanese birds. Misc. Rep. Yamashina Inst. Orn. Zool. No. 1 1952 : 15-19.

1037.—Kuroda, N. On the subspecific name of the Sooty Tern of Marcus I. Misc. Rep. Yamashina Inst. Orn. Zool. No. 2 1953 : 55-59 fig.

1038.—Kuroda, N. A note on *Sterna hirundo* : a genetic consideration about avian coloration. Misc. Rep. Yamashina Inst. Orn. Zool. No. 2 1953 : 74-77.

1039.—Kuroda, N. A report of bird collecting trips to Asmori and Hokkaido (1951). [in Japanese]. Nat. Sci. & Mus., Tokyo **19** 11-12 1952 : 16-35 6 figs.

1040.—Kuroda, N. On the Japan-taken *Branta canadensis*. Tori **13** 61 1952 : 4-9.

1041.—Kuroda, N. On new Japanese records of *Calidris temminckii* (Leisler) and *Calidris melanotos* (Vieillot) with remarks. Tori **13** 61 1952 : 21-23.

1042.—Kuroda, N. Naoshi Teraoka : an appreciation. Tori **13** 62 1953 : 1-3 portrait.

1043.—Kuroda, N. Notes on Japanese Skylark. Tori **13** 62 1953 : 4-17.

1044.—Kuroda, N. A short note on the Fairy or Chinese Pitta. Tori **13** 62 1953 : 20-21.

Kuroda, N. see Austin.

1045.—Kuroda, Y. Notes on the moults and movements of the Korean Ring-necked Pheasants, *Phasianus colchicus karpowi*. Tori **13** 60 1952 : 33-37.

1046.—Kuroda, Y. On migrations and habit of certain Korean birds. Tori **13** 62 1953 : 29-35.

1047.—Labille, A. Notes sur la biologie du Pic-vert *Picus viridis*. Alauda **21** 1953 : 165-178.

1048.—Labille, A. Comment photographier les oiseaux dans la nature. Oiseau, Paris **23** 1953 : 55-62 2 pls.

1049.—Labille, A. Quelques notes sur la biologie et la reproduction de la Pie bavarde *Pica pica galliae*. Oiseau, Paris **23** 1953 : 247-260 fig.

1050.—Lack, D. and E. Visible migration through the Pyrenees : an autumn reconnaissance. Ibis **95** 1953 : 271-309 4 figs.

1051.—Lack, D. and Arn, H. Die mittlere Lebensdauer des Alpensegler. Orn. Beob. **50** 1953 : 133-137.

1052.—Lack, D. and others. Birthday symposium. Bull. Brit. Trust Orn. 19th annual report 1953 : 8-18.

1053.—Laferrère, M. Une émission vocale peu fréquente chez *Phoenicurus ochruros*. Alauda **21** 1953 : 64.

1054.—Laferrère, M. Le courlis cendré *Numenius arquata* (L.) nicheur en Dombes et en Dauphiné. Alauda **21** 1953 : 132.

1055.—**Laferrère, M.** Sur quelques stations du Crave *Coracia pyrrhocorax* (Linné) dans les Alpes. *Alauda* 21 1953 : 245-248.

1056.—**Lake, F. B.** Parrakeet eye disease. *Avicult. Mag.* 59 1953 : 61-65 figs. 178.

1057.—**Lakela, O.** A check-list of birds from northeastern Minnesota based on observations made mostly in the Duluth area. *Flicker* 25 1953 : 30-35.

1058.—**Lamm, D. W.** Comments on certain records from northern Sul de Save, Mozambique. *Ostrich* 24 1953 : 2-8 fig.

1059.—**Lamm, D. W.** Taxonomic status of *Batis molitor soror*. *Ostrich* 24 1953 : 171-173.

1060.—**Lamm, D. W.** Grey Heron with red bill and legs. *Ostrich* 24 1953 : 184.

Lamm, D. W. see Rosa Pinto.

1061.—**Lamore, D.** Ring-billed Gulls stealing fish from female American Mergansers. *Wilson Bull.* 65 1953 : 210.

1062.—**Lamprey, H. F.** Sustained gliding flight of the Mediterranean Shearwater. *Ibis* 95 1953 : 378-379 fig.

1063.—**Landauer, W.** On teratogenic effects of pilocarpine in chick development. *J. exp. Zool.* 122 1953 : 469-483 3 figs.

1064.—**Landauer, W.** Abnormality of down pigmentation associated with experimentally produced skeletal defects of chicks. *Proc. nat. Acad. Sci., Wash.* 39 1 1953 : 54-58 3 figs.

1065.—**Lang, C. T.** Über die Ontogenie der Knickungsverhältnisse beim Vogelschädel. *Verh. anat. Ges. Jena* 50 1952 : 127-136 5 figs.

Langston, R. see Jones.

1066.—**Lanz-Wälchli, H.** Der Bergfinken-Einfall im Winter 1950/51 im östlichen Teil des Berner Oberlandes. *Orn. Beob.* 50 1953 : 12-20 fig.

1067.—**Lanza, B.** Quarta cattura in Italia del Culbianco di Groenlandia (*Oenanthe oenanthe leucorrhoa* (Gm.)). *Riv. ital. Orn.* 23 1953 : 22-23.

Lapworth, E. D. see Snyder.

1068.—**[Larionov, V. F.]** Age features in *Anas platyrhynchos* and their use for breeding purposes]. *C.R. Acad. Sci. URSS N.S.* 93 3 1953 : 555-558 [In Russian].

1069.—**[Larionov, V. F. and Anorova, N. S.]** The role of light in multiplication of pigeons]. *C.R. Acad. Sci. URSS. N.S.* 83 3 1952 : 509-511 [In Russian].

1070.—**[Larionov, V. F.]** Propagation and migrations of *Anas platyrhynchos* in connection with its habitat]. *Zool. Zh. Moscow* 32 1 1953 : 112-115 [In Russian].

1071.—**Larsall, O. and Whitlock, D. G.** Further observations on the cerebellum of birds. *J. comp. Neurol.* 97 3 1952 : 545-566 14 figs.

1072.—**Larson, S.** Gypaète en Corse. *Alauda* 21 1953 : 134.

Larsson, S. G. see Madsen.

Lasbrey, J. see Norgarb.

1073.—**Laskey, A. R.** Movements of Robins banded in Nashville, Tennessee. *Migrant, Tennessee* 24 1 1953 : 5-7.

1074.—**Latimer, M. C.** A Dodo egg. *S. Afr. J. Sci.* 49 6 1953 : 208-210 4 figs.

1075.—**Laubmann, A.** Zum Vorkommen des Zaunammers, *Emberiza cirilis* L., in Freiburg'Br. *Orn. Mitt.* 5 1953 : 12.

1076.—**Laubmann, A. and Moebert, F.** Zum 65. Geburtstag von Franz Groebels. *Orn. Mitt.* 5 1953 : 175-176.

1077.—**Laurelle, L., Reamont, M. and Legait, E.** Modifications de structure des caroncules vasculaires de "*Meleagris gallopavo* L." male apres section de branches cutanées des nerfs rachidiens cervicaux ou après castration. No. 67 1952 : 637-639. Structure des caroncules vasculaires de "*Meleagris gallopavo* L." male et femelle. *C.R. Ass. Anat.* No. 68 1952 : 640-642.

1078.—**Law, S. C.** A contribution to the ornithology of the Sunderbans. *J. Bengal nat. Hist. Soc.* 26 2 1953 : 85-90 1 map.

1079.—**Law, S. C.** A contribution to the ornithology of the Sunderbaux. J. Bengal nat. Hist. Soc. **26** 1953 : 142-146.

1080.—**Lawrence, L. de K.** Nesting life and behaviour of the Red-eyed Vireo. Canad. Fld. Nat. **67** 2 1953 : 47-77 1 map.

1081.—**Lawrence, L. de K.** Behaviour of a female Eastern Kingbird. Wilson Bull. **65** 1953 : 40.

1082.—**Lawrence, L. de K.** Notes on the nesting behaviour of the Blackburnian Warbler. Wilson Bull. **65** 1953 : 135-144.

Leach, E. P. see Thomson.

1083.—**Leach, H. R.** and others. A study of the food habits of the ring-necked pheasant on irrigated pasture in California. Calif. Fish Game **39** 1953 : 517-525 4 figs.

1084.—**Learmonth, N. F.** Bird movements in the Portland District, Victoria, in 1951. Emu **53** 1953 : 86-88.

1085.—**Lebeurier, E.** La Pie-Grièche écorcheur en Bretagne. Oiseau, Paris **23** 1953 : 72.

1086.—**Lebeurier, E.** Le Corbeau freux *Corvus frugilegus frugilegus* L. dans le Finistère. Oiseau, Paris **23** 1953 : 171-211 figs.

1087.—**Legg, K.** A Palm Warbler in autumn at Point Lobos Reserve, California. Condor **55** 1953 : 162.

1088.—**Legg, K.** Third record of the Tropical Kingbird in California. Condor **55** 1953 : 219.

1089.—**Lehmann, W.** Zu : Zilpzalp *Phylloscopus collybita* als Bienenfresser. Orn. Mitt. **5** 1953 : 150.

1090.—**Lehmann, W.** Untersuchungen zur Siedlungsdichte der Vogelwelt in den Harzwaldungen. Orn. Mitt. **5** 1953 : 161-163.

1091.—**Lehmann, W.** Späte Brut beim Wintergoldhähnchen (*Regulus regulus*). Orn. Mitt. **5** 1953 : 171.

1092.—**Lehner, A.** Zu "Findet die Begattung des Stars normalerweise auf dem Boden Statt?" Orn. Beob. **50** 1953 : 29.

1093.—**Lehner, A.** Beobachtung des Bindenkreuzschnabels in Flawil. Orn. Beob. **50** 1953 : 90.

1094.—**Lehtoranta, L.** Der Frühlingszug des Stars, *Sturnus vulgaris* L., im Lichte der phänologischen Beobachtungen 1785-1930 in Finnland. Comment. biol. Helsingf. **11** 3 1952 : 1-20 2 maps.

1095.—**Leibbrand, E.** Kleiner Beitrag zur Avifauna des Wildseegebiets. Jh. Ver. Vaterl. Naturh. Württemb. **108** 1953 : 141.

1096.—**Leitch, G. F.** Buzzards destroying Emu eggs. The wedge-tailed Eagle. Eagles' acquired technique of capturing hares. Drongos nesting. N. Qd. Nat. **21** 104 1953 [4-8]

1097.—**Lennerstedt, I.** and **Gillin, R.** The Marsh-Warbler at Gothenburg. [Summary]. Vår Fågelv. **12** 1953 : 83.

1098.—**Leopold, A. S.** and **Smith, R. H.** Numbers and winter distribution of Pacific Black Brant in North America. Calif. Fish Game **39** 1953 : 95-101 fig.

1099.—**Lestrade, A.** La Grue couronnée au Ruanda. Zooleo No. 23 1953 : 207-210 col. pl.

1100.—**Letson, O. W.** and **Kassing, E. F.** Unusual items from the 1947 and 1948 records of the Tulsa Audubon Society. Proc. Okla. Acad. Sci. **30** 1951 : 25.

1101.—**Lévêque, R.** Une Mouette mélanique ? Nos Oiseaux **22** 1953 : 72.

1102.—**Levick, C. R.** and **Coulson, B. W. H.** Abnormalities in the beaks of Starlings. Dauntsey's Sch. biol. Bull. No. 3 1947 : 78-80.

1103.—**Lewis, C. B.** Editor. Nat. Hist. Notes nat. Hist. Soc. Jamaica Nos. 61 & 62-63 1953. [Duplicated foolscap pp. 1-19 & 22-40].

1104.—**Lewis, H. F.** Scarlet Tanager near Yarmouth, Nova Scotia. Canad. Fld. Nat. **66** 6 1952 : 175.

1105.—**Lhote, H.** Sur l'introduction au Haggar d'un Bengali à gorge rose venant de l'Air et observations sur les limites géographiques de certaines espèces communes sur les confins sahélo-sahariens. Mém. Inst. franç. Afr. noire. No. 10 1950 : 386-387.

1106.—Lienhart, R. Le sex-ratio chez le pigeon. C.R. Soc. Biol., Paris **146** 19–20 1952 : 1601–1603.

1107.—Lienhart, R. Inversion sexuelle temporaire, lors de la puberté, chez la femelle du pigeon domestique ; hérédité de cette anomalie. C.R. Soc. Biol. Paris **147** 5–6 1953 : 472–474.

1108.—Lienhart, R. Recherches sur le rôle des cailloux contenus dans le gésier des oiseaux granivores. Bull. Soc. Sci. Nancy N.S. **12** 1 1953 : 5–9.

1109.—Lierath, W. Umsiedlung nestjunger Turmfalken (*Falco tinnunculus*). Orn. Mitt. **5** 1953 : 174 fig.

1110.—[Likhatchev, G. N.] Observation on multiplication of *Muscicapa hypoleuca* in artificial nests]. Bull. Soc. Nat. Moscow **58** (2) 1953 : 23–34 [In Russian].

1111.—[Likhatchev, G. N.] Observations on breeding of *Parus major* in artificial nests]. Zool. Zh. Moscow **32** 1 1953 : 116–129 [In Russian].

1112.—Lincoln, F. C. Eastern Mourning Dove in the Dominican Republic—a correction. Auk **70** 1953 : 207.

Lincoln, F. C. see Gabrielson.

1113.—Lind, E. Observations at a nest of the Scarlet Grosbeak (*Carpodacus erythrinus*) [Summary]. Vår Fågelv. **11** 1952 : 152 figs.

1114.—Linkola, P. Observations on the wintering of the Wren and the Starling. Orn. fenn. **30** 1953 : 83–91.

1115.—Linsell, S. R. Report on birds observed in Hertfordshire within a 6-mile radius of Bishop's Stortford. Trans. Herts. nat. Hist. Soc. **24** 1 1953 : 23–30.

1116.—Lint, K. C. Rearing Condors in captivity in the United States. Avicult. Mag. **59** 1953 : 22–23 2 pls.

1117.—Lippens, L. Une invasion de Petrels cul-blancs en Belgique. Gerfaut **43** 1953 : 165–168.

1118.—Lister, M. D. Secondary song : a tentative classification. Brit. Birds **46** 1953 : 139–143.

1119.—Lister, M. D. Some bird associations of Indian cultivated and waste lands, **51** 1 1952 : 19–28. Some bird associations of Indian built-up areas. J. Bombay nat. Hist. Soc. **51** 2 1953 : 369–377.

1120.—Lister, M. D. Secondary song of some Indian birds. J. Bombay nat. Hist. Soc. **51** 3 1953 : 699–706.

Liversidge, R. see Rand.

1121.—Lockley, R. M. Aerial assembly of Ravens in December. Brit. Birds **46** 1953 : 347.

1122.—Lockley, R. M. and Russell, R. Bird-Ringing. The art of bird study by individual marking. London (Crosby Lockwood & Son Ltd.) 1953 : viii + 119 8 pls. figs.

1123.—Loetscher, F. W. Jr. Recent increase of the English Sparrow in State of Veracruz, Mexico. Auk **70** 1953 : 370.

1124.—Löhr, H. Bemerkenswerte Beobachtungen über einige Brutvögel Württemberg. Jh. Ver. vaterl. Naturh. Württemb. **108** 1953 : 132–138.

1125.—Löhr, H. Weitere Ausbreitung und Zunahme des Halsbandfliegenschnappers (*Muscicapa albicollis*). Der Kolkaube (*Corvus corax*) in Württemberg. Jh. Ver. vaterl. Württemb. **107** 1952 : 213–214.

1126.—Loke, W. T. Kashmir revisited. J. Bombay nat. Hist. soc. **51** 1 1952 : 121–127 6 pls.

1127.—Loke, W. T. Some breeding birds of Singapore. J. Bombay nat. Hist. Soc. **51** 3 1953 : 590–596 5 pls.

1128.—Lokietzsch, P. Kuckucksauzucht mit Kartoffelkäferlarven. Orn. Mitt. **5** 1953 : 115.

1129.—Löppenthin, B. The breeding of the Slavonian Grebe (*Podiceps auritus* (L.)) in Denmark (English summary). Dansk orn. Foren. Tidsskr. **47** 1953 : 1–15.

1130.—Löppenthin, B. Fem kuld aeg af Mudderklire (*Actitis hypoleucos* (L.)). Dansk orn. Foren. Tidsskr. **47** 1953 : 123–125.

1131.—Lord, E. A. R. Nesting notes on four species. Emu **53** 1953 : 254–258.

1132.—Lorenz, K. Comparative studies on the behaviour of Anatinae. (English translation). Avicult. Mag. **59** 1953 : 24–33, 80–90 figs.

1133.—Lorier, J. and Patay, R. Développement du cerveau et coordination motrice chez l'oiseau. Bull. Soc. sci. Bretagne **27** 1–4 1952 : 33–50 figs.

- Lousley, J. E.** *see* Fitter.
- Loveridge, A.** *see* Peters.
- 1134.—Lüders, O.** Vogelzugbeobachtungen im Raune von Wolpburg. Beitr. Naturh. Niedersachs. **6** 1 1953 : 2-7.
- 1135.—Ludwig, C. C.** Bronzed Grackles. Bird-Banding **24** 1953 : 154.
- 1136.—Luke, L. P.** Lovebirds and Parrotlets. London (Cage Birds.) 1952 : ix + 101. pls. diagrms.
- Lund, H.** *see* Brandt.
- 1137.—Lund, H. M.-K.** A contribution to the knowledge of the biology of *Glaucidium passerinum* in the breeding season. Nytt Mag. Naturv. **88** 1951 : 247-262 5 figs.
- 1138.—Lundevall, C. F.** Migration of Sanderling (*Crocethia alba* (Pall)) at Oeland, Sweden (English Summary). Dansk. orn. Foren. Tidsskr. **47** 1953 : 263-266.
- 1139.—Lundevall, C. F.** Ett par ölöndska iakttagelser av lundsångare (*Phylloscopus trochiloides viridanus*). Fauna och Flora **47** 1953 : 229-234 1 fig.
- 1140.—Lundevall, C. F.** Notes on a captive Bittern (*Botaurus stellaris*). [English summary]. Vår Fågelv. **12** 1953 : 7 figs.
- 1141.—Lundevall, C. F.** and others. [Swedish bird notes—summaries]. Vår Fågelv. **12** 1953 : 34-36.
- 1142.—Lupient, M.** Seasonal report. Flicker Minnesota **25** 2 1953 : 72-74.
- 1143.—Lupient, M.** Seasonal report. Flicker Minnesota **25** 1953 : 105-107.
- 1144.—Lüttschwager, J.** Der Karmingimpel (*Carpodacus erythrinus* Pall.) in Schleswig-Holstein. Orn. Mitt. **5** 1953 : 189.
- 1145.—Lutz, H.** L'orientation des axes embryonnaires dans la gémellité expérimentale chez les oiseaux. Bull. biol. **87** 1 1953 : 34-67 32 figs.
- 1146.—Lutz, H.** La duplication des organes axiaux d'embryons d'oiseau après la formation de la ligne primitive. C.R. Acad. Sci. Paris **236** 18 1953 : 1825-1827.
- 1147.—Lützen, J.** Klyden (*Recurvirostra avosetta* L.). Som ynglefugle ved Limfjorden. Dansk orn. Foren. Tidsskr. **47** 1953 : 260-262.
- 1148.—Lynn-Allen, B. G.** Some field notes on the birds of Mogadishu. J. E. Afr. nat. Hist. Soc. **20** 2 1952 : 57-66.
- 1149.—Lynn-Allen, E.** The ducks of Minsmere, 1946-1952. Bird Notes **26** 1 1953 : 11-16.
- 1150.—Lysaght, A. M.** A rail from Tonga, *Rallus philippensis ecaudata* Miller. Bull. Brit. orn. Cl. **73** 1953 : 74-75.
- Maberly, C. T. A.** *see* Harwin.
- 1150a.—McAtee, W. L.** North American bird records in the "Philosophical Transactions", 1665-1800. J. Soc. Bibl. nat. Hist. **3** 1 1953 : 56-60.
- 1151.—McCallion, D. J.** A cytological and cytochemical study of the shell gland of the domestic hen. Canad. J. Zool. **31** 1953 : 577-589 2 pls.
- 1152.—McCallion, D. J.** and Aitken, H. E. A cytological study of the anterior submaxillary glands of the fowl, *Gallus domesticus*. Canad. J. Zool. **31** 1953 : 173-178 3 pls.
- 1153.—McCann, C.** The winter food of the Blackbird in New Zealand. Notornis **5** 1953 : 198-199.
- 1154.—Macdonald, J. D.** Black-browed Albatross in Derbyshire. Brit. Birds **46** 1953 : 110.
- 1155.—Macdonald, J. D.** Taxonomy of the Karroo and Red-Back Larks of Western South Africa. Bull. Brit. Mus. (nat. Hist.) **1** 11 1953 : 319-350 3 pls. 5 figs.
- 1156.—Macdonald, J. D.** Variation in *Cercomela familiaris* in South Africa. Ibis **95** 1953 : 70-73.
- 1157.—Macdonald, J. D.** Some aspects of variation in the Spike-heel Lark (*Certhilauda albofasciata*). Proc. zool. Soc. Lond. **122** 1953 : 985-1006 2 pls. 3 figs.
- 1158.—Macdonald, J. D.** The races in South West Africa of the Orange River Francolin. Bull. Brit. orn. Cl. **73** 1953 : 34-36.

1159.—Macdonald, J. D. and Grant, C. H. B. Early descriptions of new bird species by Andrew Smith. *Ann. Transv. Mus.* **22** 2 1953 : 197-203.

1160.—Macdonald, N. Inquiry into status of Fairy Tern in N.Z. *Notornis* **5** 1953 : 84.

1161.—MacDonald, S. D. Report on biological investigations at Alert, N.W.T. *Bull. nat. Mus. Can. No.* **128** 1953 : 241-256 figs.

McGill, A. R. *see* Hindwood.

1162.—McGill, J. W. Notes on the Black-capped Sittella. *S. Aust. Orn.* **21** 1953 : 8-10.

1163.—Macgregor, K. S. and Hamilton, F. D. Black-headed Wagtail in East Lothian. *Brit. Birds* **46** 1953 : 219.

1164.—MacIver, R. M. Factors affecting the onset and duration of annual rest in the domestic fowl. *Proc. roy. Soc. Edinb.* **65B** 1 1953 : 73-83.

1165.—Mack, G. Birds from Cape York Peninsula, Queensland. *Mem. Qd. Mus.* **13** 1 1953 : 1-39 1 pl. 3 figs.

1166.—McKenzie, H. R. Nesting of New Zealand Dotterel. *Notornis* **5** 1953 : 121-122.

1167.—McKenzie, H. R. Virginian Quail in Wairova. *Notornis* **5** 1953 : 123.

1168.—McKenzie, H. R. Kokako nest, 1952. *Notornis* **5** 1953 : 174.

1169.—Mackenzie, J. M. D. A note on some natural barriers in Burma. *J. Bombay nat. Hist. Soc.* **51** 1 1952 : 189-199 1 map.

Mackworth-Praed, C. W. *see* Grant.

1170.—Mackworth-Praed, C. W. and Grant, C. H. B. On a petrel new to the East African list. *Bull. Brit. orn. Cl.* **73** 1953 : 82.

1171.—Mackworth Praed, C. W. and Grant, C. H. B. On the affinities of *Apus somalicus* (Stephenson Clarke) *Bull. Brit. orn. Cl.* **73** 1953 : 105.

1172.—Mackworth-Praed, C. W. and Grant, C. H. B. On the status of *Pternistis cooperi*. On the exact type locality of *Tauraco schüttii*. *Ostrich* **24** 1953 : 123-124.

1173.—Maclaren, P. I. R. The sea and creek birds of Nigeria. *Niger. Fld.* **18** 1 1953 : 20-28 2 figs.

1174.—Maclaren, P. I. R. Bird notes from Nigeria. *Niger. Fld.* **18** 1953 : 165-171.

1175.—McLaughlin, F. W. First record of Boat-tailed Grackles nesting in New Jersey. *Cassinia* 1951-1952 : 13-15.

1176.—McLeod, J. A. and Bondar, G. F. A brief study of the Double-crested Cormorant on Lake Winnipegosis. *Canad. Fld. Nat.* **67** 1 1953 : 1-11 3 figs.

1177.—MacLeod, J. G. R., Murray, C. de C. and E. M. Death of many migrants at Somerset West. *Ostrich* **24** 1953 : 118-120 fig.

1178.—McNally, J. and Falconer, D. Trapping and banding operations, Lara Lake, 1952. *Emu* **53** 1953 : 51-70 2 pls. figs.

1179.—McNeile, J. H. President Oological Society. *Bull. Jourdain Soc.* **27-30** 1953.

McNeile, J. H. *see* Swanberg.

1180.—McRitchie, J. A. The arrival of spring migrants, 1952. *Countryside N.S.* **16** 9 1953 : 343-346 1 fig.

1181.—Madsen, H. and Larsson, S. G. Eating habits of the New Guinean Frogmouth (*Podargus papuensis* Quoy & Gaimard). *Dansk orn. Foren. Tidsskr.* **47** 1953 : 267-272 3 figs.

1182.—Maerschallck, J. de. Nieuwe waarnemingen over het Wouwaapje (*Ixobrychus minutus*). *Gerfaut* **43** 1953 : 12-14.

1183.—Makowski, H. Notizen über Vogelalbinos. *Orn. Mitt.* **5** 1953 : 130-131 fig.

1184.—Malan, E. The elongation of the primitive streak and the localization of the presumptive chordamesoderm of the early chick blastoderm studied by means of coloured marks with Nile blue sulphate. *Arch. Biol. Paris* **64** 1953 : 149-182 30 figs.

1185.—[Maltchevski, A. S. and Kadotchnikov, N. P.] Method of studying the feeding of young insectivorous birds. *Zool. Zh., Moscow* **32** 2 1953 : 277-282 [In Russian].

1186.—Maltzahn, H. V. Mehlschwalben (*Delichon urbica*) in Südwestafrika. Vogelwarte **16** 1953 : 174.

1187.—Mann, M. A. Four Owerri Kingfishers. Niger. Fld. **18** 1 1953 : 28–30.

1188.—Manuel, C. G. and Gilliard, E. T. A new name for a Flowerpecker from the Philippines. Auk **70** 1953 : 90.

1189.—Manson-Bahr, P. Communal spirit in Jackdaws. Brit. Birds **46** 1953 : 414.

1191.—Manson-Bahr, P. On the migration of the Pacific Golden Plover (*Pluvialis dominica fulva*), the Eastern Bar-tailed Godwit (*Limosa lapponica baueri*) and other Limicolae. Bull. Brit. orn. Cl. **73** 1953 : 50–55.

1192.—Manson-Bahr, P. Reverse mutation in ducks—(Mallard—New Zealand Gray Duck). Bull. Brit. orn. Cl. **73** 1953 : 61–62 fig.

1193.—Manson-Bahr, P. Obituary—George Carmichael Low. Ibis **95** 1953 : 140–142 pl.

1194.—Manson-Bahr, P. E. C. The European Starling in Fiji. Ibis **95** 1953 : 699.

1195.—Manuel, F. Effets inattendus d'un incendie de roseaux. Nos Oiseaux **22** 1953 : 96.

1196.—Marchant, S. Notes on the birds of south-eastern Nigeria. Ibis **95** 1953 : 38–69.

1197.—Marchlewski, J. H. The Golden Pheasant hen *Chrysolophus pictus* L. and the Domestic Cock *Gallus domesticus* L. hybrids obtained by means of artificial insemination. Bull. int. Acad. Cracovie **1951B VI** 7–10 1952 : 443–449 2 pls.

1198.—Marples, B. J. Vertebrate palaeontology in New Zealand—Birds. Tuatara **2** 3 1949 : 105.

1199.—Marples, B. J. Early Tertiary Penguins of New Zealand. Palaeont. Bull. N.Z. **20** 1952 : 1–66 pls. 1–8 text-figs. 1–6.

1200.—Marples, B. J. Fossil penguins from the Mid-Tertiary of Seymour Island. F.I.Q.S. scient. Rep. No. 5 1953 : 1–15 2 pls.

1201.—Marples, B. J. and Gurr, L. The Chukor in New Zealand. Emu **53** 1953 : 283–291.

Marsden, S. J. see Olsen.

1202.—Marshall, D. B. and Giles, L. W. Recent observations on birds of Anaho Island, Pyramid Lake, Nevada. Condor **55** 1953 : 105–116 fig.

1203.—Marshall, W. H. and Harris, S. W. Species composition sex and age ratios, and weight of some ducks tagged by Minnesota hunters—Flicker, Minnesota **25** 1953 : 54–61.

1204.—Marshall, W. K. Derbyshire ornithological record, 1952. J. Derbysh. archaeol. nat. Hist. Soc. No. 72 1952 : 136–147.

1205.—Martin, E. P. and Leone, C. A. Sereological relationships among domestic fowl as shown by comparisons of protein preparations from corresponding organ systems. Trans. Kansas Acad. Sci. **55** 1952 : 439–444 fig.

1206.—Martini, E. "Ölpest"—Beobachtungen auf der Nordseeinsel Spiekeroog. Orn. Mitt. **5** 1953 : 44–48.

1207.—Martini, E. "Zusammengewachsene" Blaumeisen (*Parus caeruleus*). Orn. Mitt. **5** 1953 : 137.

1208.—Marzaro, L. L'Avvoltoio (*Aegypius monachus*). Riv. ital. Orn. **23** 1953 : 167.

1209.—Mason, E. A. Barn Swallow life history data based on banding records. Bird-Banding **24** 1953 : 91–100.

1210.—Mason, T. B. Unusual nesting-site of Dipper. Brit. Birds **46** 1953 : 35 pl.

1211.—Masterson, H. B. Klaas' Cuckoo, *Chrysococcyx Klaas*, parasitising Red-headed Weavers, *Anaplectes rubiceps*. Ostrich **24** 1953 : 51.

1212.—Matheson, C. The Partridge in Wales : a survey of Gamebook records. Brit. Birds **46** 1953 : 57–64.

1213.—Matheson, C. Notes on museum collections of British birds and eggs. Mus. J. Lond. **52** 12 1953 : 297–301.

- 1214.—Matthews, F.** The way of a gull. Country-side N.S. **16** 11 1953 : 434-435.
- 1215.—Mathews, G. V. T.** The relation of learning and memory to the orientation and homing of pigeons. *Behaviour* **4** 1952 : 202-221 1 fig.
- 1216.—Matthews, G. V. T.** Sun navigation in homing pigeons. 12 figs. The orientation of untrained pigeons : a dichotomy in the homing process. *J. exp. Biol.* **30** 2 1953 : 243-276 14 figs.
- 1217.—Matthews, G. V. T.** Navigation in the Manx Shearwater. *J. exp. Biol.* **30** 3 1953 : 370-396 8 figs.
- 1218.—Matthews, G. V. T.** Bird navigation studies on Skokholm Island. *Rep. Coun. Prom. Fld. Stud.* **1951-52** 1953 : 32-36.
- 1219.—Matthews, G. V. T.** The navigational basis of homing in birds. *Abstr. Diss. Univ. Camb.* **1950-51** 1953 : 32-33.
- 1220.—Matthews, G. V. T.** Direction-finding in birds. *Discovery* **14** 5 1953 : 145-150 8 figs.
- 1221.—Matvejev, S. D.** La faune des oiseaux de la montagne Tara (Serbie Occidentale) en août 1950. *Bull. Acad. serbe Sci. math. nat. N.S.* **12** 1953 : 44-46.
- 1222.—[Matvejev, S. D.]** List of Yugoslav birds. *Arch. Sci. biol. Belgrade* **2** 1950 : 146-158 [In Yugoslav].
- 1223.—May, R. and Fisher, J. A.** Collared Turtle Dove in England. *Brit. Birds* **46** 1953 : 51-55.
- 1224.—Mayaud, N.** Liste des oiseaux de France. *Alauda* **21** 1953 : 1-63.
- 1225.—Mayaud, N.** Conclusion des données françaises sur la biologie de Jean-le-blanc. *Alauda* **21** 1953 : 124-127.
- 1226.—Mayaud, N.** Invasion des Becs-croisés *Loxia curvirostra*. *Alauda* **21** 1953 : 191.
- 1227.—Mayfield, H.** A census of the Kirtland's Warbler. *Auk* **70** 1953 : 17-20.
- Mayfield, H.** see Van Tyne.
- 1228.—Mayr, E.** Additional notes on the birds of Bihimi, Bahamas. *Auk* **70** 1953 : 499.
- 1229.—Mayo, A. L. W.** Magpies attacking Hobbies. *Brit. Birds* **46** 1953 : 415.
- 1230.—Mayr, E.** Geographic and individual variation in the Shrike-Tit. Taxonomic notes on *Oreonica gutturalis*. *Emu* **53** 1953 : 249-253.
- 1231.—Mayr, E. and Wolk, R.** The South-west Australian races of the Spotted Scrub-Wren, *Sericornis maculatus*. *W. Aust. Nat.* **4** 3 1953 : 66-70 map.
- 1232.—Mazzeo, R.** Homing of the Manx Shearwater. *Auk* **70** 1953 : 200.
- 1233.—Meanley, B.** Nesting of the King Rail in the Arkansas rice fields. *Auk* **70** 1953 : 261-269 2 pls.
- 1234.—Meanley, B. and Neff, J. A.** Food habits of the Bobolink in Arkansas rice fields. *Auk* **70** 1953 : 211.
- 1235.—Meanley, B. and Neff, J. A.** Bird notes from the Grand Prairie of Arkansas. *Wilson Bull.* **65** 1953 : 200-201.
- 1236.—Mebs, T.** Der Uhu (*Bubo b. bubo* L.) im Fränkischen Jura. *Anz. Orn. Ges. Bay.* **4** 2 1953 : 67-69.
- 1237.—Meder, H.** Ein Raufhauk bei Basel. *Orn. Beob.* **50** 1953 : 31.
- 1238.—Mees, G. F.** The White-eyes of the Aroe Islands. *Zool. Meded.* **32** 1953 : 25-30 1 pl.
- 1239.—Mees, G. F.** An attempt at a natural classification of certain Zosteropidae of the Indo-Australian archipelago. *Zool. Meded.* **32** 1953 : 57-68 pl. fig.
- 1240.—Meier, H.** Schmalschnäbliger Wassertreter im Urner Reussdelta. *Orn. Beob.* **50** 1953 : 32.
- 1241.—Meier, H.** Mornellregenpfeifer am Urnersee. *Orn. Beob.* **50** 1953 : 50.
- 1242.—Meijering, M. P.** Ornithologische Beobachtungen auf Spiekeroog von 1949-51. *Orn. Mitt.* **5** 1953 : 8.
- 1243.—Meiklejohn, M. and others.** Red-rumped Swallow in Norfolk [on Lundy, on Great Saltee, Co. Wexford]. *Brit. Birds* **46** 1953 : 263-265.

Meiklejohn, M. F. M. *see* Hopkins.

1244.—Meiklejohn, M. F. M. and Palmar, C. E. Notes on birds in the Clyde area, 1951 [and] 1952. Scot. Nat. **65** 1953 : 1-4, 115-119.

1245.—Meinertzhagen, R. On the validity of *Saxicola torquata hibernans* Hartest. Bull. Brit. orn. Cl. **73** 1953 : 14.

1246.—Meinertzhagen, R. On some west Irish birds and a suggestion for the use of the cline. Bull. Brit. orn. Cl. **73** 1953 : 41-44.

1247.—Meinertzhagen, R. A new geographical race of Shrike, *Lanius excubitor* Linnaeus. Bull. Brit. orn. Cl. **73** 1953 : 72.

1248.—Meinertzhagen, R. A new bird for India. *Montifringilla davidiana potanini* (Sushkin). J. Bombay nat. Hist. Soc. **51** 1952 : 273.

1249.—Meinertzhagen, R. and Williamson, K. 'Check-list of the birds of Great Britain and Ireland' (1952) : some comments. Ibis **95** 1953 : 365-368.

1250.—Meise, W. Hampes Beobachtungen an einem Zuchtpaar des Feldsperlings (*Passer m. montanus* L.). Zool. Gart. Lpz. (N.F.) **19** 1952 : 197-204 20 figs.

1251.—Melluish, W. D. The census of the Great Crested Grebe, 1952. Lond. Bird Rep. No. 17 1953 : 41-42.

Melluish, W. D. *see* Keywood.

1252.—Members, T. O. S. The 1953 Christmas season bird counts. Migrant, Tennessee **52** 1953 : 76-83.

1253.—Mengel, R. M. On the name of the Northern Bald Eagle and the identity of Audubon's gigantic "Bird of Washington". Wilson Bull. **65** 1953 : 145-151.

1254.—Menu, H. Le Martin Roselin (*Pastor roseus* L.) dans la Marne. Bull. Un. Soc. franç. Hist. nat. No. 16 1954 : 31.

1255.—Merikallio, E. Der Frühlingszug der Weissen Bachstelze (*Motacilla alba* L.) nach N-Finnland 1784-1950. Comment. biol. Helsingf. **11** 4 1953 : 1-15 1 fig.

1256.—Mertens, R. Begegnungen mit Grosstieren im Krüger-Park, Transvaal. 2. Im Mittelabschritt : Letaba. Natur u. Volk **83** 9 1953 : 293-304 10 figs.

1257.—Mesmaekers, I. Le petit flamant rose au Congo. Bull. Cercl. zool. cong. **21** 1953 : 19-20 2 figs.

1258.—Messedaglia, L. Chichibio cuoco e le gru. Note ornitologiche ad una novella del Boccaccio. Riv. ital. Orn. **23** 1953 : 49-56.

Mewaldt, L. R. *see* Farner.

1259.—Mewaldt, L. R. and Farner, D. S. Notes on a roosting flock of Gray-crowned Rosy Finches. Bird-Banding **24** 1953 : 141-143.

1260.—Mewaldt, L. R. and Farner, D. S. The composition of a wintering population of White-crowned Sparrows in southeastern Washington. Condor **55** 1953 : 313.

Meyer, R. K. *see* Greeley.

1261.—Michener, J. R. Molt and variations in plumage pattern of Mockingbirds at Pasadena, California. Condor **55** 1953 : 75-89.

1262.—Middlemiss, E. Flamingos in the Ronderlei Bird Sanctuary. Bokmakierie **5** 1953 : 9-12 fig.

1263.—[Mikheev, A. V.] A seasonal distribution and settlement of *Parus major*. Zool. Zh. Moscow **32** 2 1953 : 313-314 [In Russian].

1264.—Mildenberger, H. Zur Fortpflanzungsbiologie des Kampfläufers (*Philomachus pugnax* L.). J. Orn. **94** 1953 : 128-143.

1265.—Miles, J. A. R. Pomatorhine Skua in St. Vincent's Gulf. Peregrine Falcon on Kangaroo I. S. Aust. Orn. **21** 1953 : 12.

Miles, J. A. R. *see* Stoker.

1266.—Miller, A. D. Further evidence of the homing ability of the Cowbird. Wilson Bull. **65** 1953 : 206.

1267.—Miller, A. H. A fossil Hoatzin from the Miocene of Colombia. Auk **70** 1953 : 484-489 figs.

1268.—Miller, A. H. The incubation period of the Hutton Vireo. Condor **55** 1953 : 221.

- 1269.—Miller, A. W. and Collins, B. D.** A nesting study of Canada Geese on the Tule Lake and Lower Klamath National Wildlife Refuges, Saskiyou County, California. Calif. Fish Game **39** 1953 : 385-396 5 figs.
- 1270.—Miller, W. J.** The time of appearance of species-specific antigens of *Columba guinea* in the embryos of backcross hybrids. Physiol. Zool. **26** 1953 : 124-131.
- 1271.—Miller, W. J. and Bryan, C. R.** Serological differentiation of the homozygotes and heterozygotes in black-cross birds following a species cross in Columbidae. Proc. nat. Acad. Sci., Wash. **39** 5 1953 : 407-412.
- 1272.—Millot, J.** La faune Malgache et le mythe gondwanien. Mém. Inst. sci. Madagascar **7A** 1 1952 : 1-36 5 pls. 3 figs.
- 1273.—Milon, P. and Jouanin, C.** Contribution à l'ornithologie de l'île Kerguelen. Oiseau Paris **23** 1953 : 4-54 3 pls.
- 1274.—Misonne, X.** Les grands quartiers d'hiver du sud-est de la mer Caspienne. Gerfaut **43** 1953 : 103-127 2 pls.
- 1275.—Mitchell, A. F.** Bird notes from inner Dublin. Irish Nat. J. **11** 3 1953 : 66-70.
- 1276.—Mitchell, R. T.** Consumption of spruce bud-worms by birds in a Maine spruce-fir forest. J. For. **50** 1952 : 387-389.
- 1277.—Mitchener, A. J.** Clay-colored Sparrow nesting in Grey County, Ontario. Canad. Fld. Nat. **67** 1 1953 : 43.
- Mockford, E. L.** see Rice.
- Moebert, F.** see Laubmann.
- 1278.—Molesworth, B. D.** Further notes on the nesting of the Chestnut-Headed Bee-Eater. Malay. Nat. J. **7** 4 1952 : 148 2 pls.
- 1279.—Moltoni, E.** Posizione del capo degli uccelli durante il sonno. Natura, Milano **44** 3-4 1953 : 118-120 4 photos.
- 1280.—Moltoni, E.** Uccelli in-annellati all'estero e ripresi in territorio italiano e nella Libia. Riv. ital. orn. **23** 1953 : 1-12.
- 1281.—Moltoni, E.** Quinta cattura in Italia del Culbianco di Groenlandia (*Oenanthe oenanthe leucorhoa* (Gm.)). Riv. ital. Orn. **23** 1953 : 123.
- 1282.—Moltoni, E.** [Italian bird notes]. Riv. ital. Orn. **23** 1953 : 36-41, 44, 68, 83, 134-136.
- 1283.—Moltoni, E.** Notizie varie di ornitologia. Riv. ital. Orn. **23** 1953 : 156-164 figs.
- 1284.—Momiyama, T. T.** A new race of Jay from Izu Peninsular. Zool. Mag., Tokyo **41** 1939 : 380.
- 1285.—Momiyama, J. T.** New localities of the Pryer's Grass-Warbler, *Bradypterus pryeri pryeri* (Seeböhm). Tori **13** 62 1953 : 50-52.
- 1286.—Monod, T.** Sur la présence d'un *Psammornis* en Afrique Occidentale Française. C.R. Prem. Conf. Internat. Afr. Ouest. Dakar **1** 1950 : 202-203 1 fig.
- 1287.—Montgomery, V.** The Leonti Sparrow in New Mexico. Condor **55** 1953 : 277.
- 1288.—Moore, J. C. and others.** Observations of the Short-tailed Hawk in Florida. Auk **70** 1953 : 470-478.
- 1289.—Moore, N. C.** A balance for weighing tits without capture. Brit. Birds **46** 1953 : 103-105 pl. fig.
- 1290.—Moore, R. T.** Notes on two rare Tyrannids of Mexico. Auk **70** 1953 : 210.
- 1291.—Moreau, R. E.** On the status of *Zosterops phyllicus* Reichenow. Bull. Brit. orn. Cl. **73** 1953 : 70-71.
- 1292.—Moreau, R. E.** Migration in the Mediterranean area. Ibis **95** 1953 : 329-364 2 fig.
- 1293.—Moreau, R. E.** Migrants on the north coast of Spain. Ibis **95** 1953 : 375-376.
- 1294.—Moreau, R. E. and W. M.** Migrants on the east coast of Spain. Ibis **95** 1953 : 372-375 fig.
- 1295.—Morejohn, G. V.** A gene for yellowish-white down in the Red Junglefowl. J. Hered. **44** 2 1953 : 46-53 3 figs.
- 1296.—Morejohn, G. V.** English Sparrows nesting within nest of Red-tailed Hawks. Condor **55** 1953 : 161.

1297.—**Moreno, A. and Fernández, R.** Notas ornitológicas. No. 6. Mem. Soc. cubana Hist. nat. 21 3 1953 : 247-249.

1298.—**Mohr, R.** Weidenlaubsänger (*Phylloscopus collybita*) und Zaunkönig (*Troglodytes troglodytes*) in einem nest. Orn. Mitt. 5 1953 : 228.

1299.—**Mori, H.** Molting of pigeon in relation to reproductive cycle. Zool. Mag., Tokyo 58 1948 : 36.

1300.—**Mori, T.** Additions to Austin's "The Birds of Korea". Tori 13 61 1952 : 16-19.

1301.—**Mörike, K. D.** Bestandsveränderungen der Vogelwelt im Echstal seit 50 Jahren. Jh. Ver. vaterl. Naturh. Württemb. 108 1953 : 126-131.

1302.—**Mörike, K. D.** Der Leier-Überschlag der Mönchsgrasmücke. Orn. Mitt. 5 1953 : 90-95.

1303.—**Morley, A.** Field observations on the biology of the Marsh Tit. Brit. Birds 46 1953 : 233-238, 273-287, 332-346.

1304.—**Morris, R. C.** Domestic poultry diseases now endemic in jungle. J. Bombay nat. Hist. Soc. 51 1953 : 747.

1305.—**[Morshead, O.]** in The Times 2 Feb. 1953]. Paper-tearing by tits. Brit. Birds 46 1953 : 190.

1306.—**Morton, H. J.** Notes on the Spotless Crake (*Porzana plumbea*). S. Aust. Orn. 21 1 1953 : 5.

1307.—**Mouchet, E.** Le Phalarope à bec étroit aux Grangettes. Nos Oiseaux 22 1953 : 72 fig.

1308.—**Moyer, J. T.** *Falco peregrinus* breeding in Niigata Prefecture. Tori 13 62 1953 : 18-19.

1309.—**Moynihan, M.** Some displacement activities of the Black-headed Gull. Behaviour 5 1953 : 58-80 2 pls.

1310.—**Mulaik, S. and others.** Analysis of the call of the Whip-poor-will. Auk 70 1953 : 367.

1311.—**Müller, A. K.** Stoss-tauchende Raubschwwalbe. *Melanismus* beim Flussuferläufer, *Actitis hypoleucos* (L.). Anz. Orn. Ges. Bay. 4 2 1953 : 75.

1312.—**Müller, A. K.** Die Rufe des Berghänflings, *Carduelis flavirostris* (L.). Anz. Orn. Ges. Bay. 4 2 1953 : 76.

1313.—**Müller, K.** Rot sterniges Blaukehlchen (*Luscinia s. svecica*) bei Osnabrück. Orn. Mitt. 5 1953 : 189.

1314.—**Müller-Using, D.** Das Steinhuhn (*Alectoris graeca saxatilis* Meyer) im Funtenseegebiet? Orn. Mitt. 5 1953 : 11.

1315.—**Müller-Using, D.** Das Haselkuhn—*Tetrastes bonasia* (L.)—Brutvogel in Hochharz? Beitr. Naturh. Niedersachs. 6 2 1953 : 44-45.

1316.—**Münch, H.** Der Wiedehopf. Leipzig (Geest & Portig) 1952 Pp. 68 20 figs. Die Neue Brehm-Bucherei Heft 90.

1317.—**Münch, H.** Zippammer (*Emberiza cia*) und Prachtaucher (*Colymbus arcticus*) in Thüringen. Orn. Mitt. 5 1953 : 5.

1318.—**Münch, H.** Hausrotschwanz (*Phoenicurus ochrurus gibraltariensis*) als Freibrüter. Orn. Mitt. 5 1953 : 32.

1319.—**Munro, J. A.** Red-legged Kittiwake in Oregon. Murrelet 34 1953 : 48.

1320.—**Munsterhjelm, A.** The Greenland Falcon in Finland. Orn. fenn. 30 1953 : 121.

1321.—**Murie, A.** Wildlife of Mount McKinley National Park. Nat. geogr. Mag. 104 2 1953 : 249-270.

1322.—**Murphy, F. [and others].** [Irish bird notes]. Irish Nat. J. 11 4 1953 : 107-108.

1323.—**Murphy, R. C.** Migration. A brief consideration of current knowledge. Rev. chil. Hist. nat. 51-53 1951 : 57-66.

1324.—**Murr, F. and Bodenstein, G.** Zur Vorkommen des Steinhuhns in den Berchtesgadener Alpen. Orn. Mitt. 5 1953 : 166-168 fig.

Murray, C. de C. see MacLeod.

1325.—**Musacchia, X. J.** A study of lipids in Arctic migratory birds. Condor 55 1953 : 305-312.

1326.—**Musselwhite, D. W.** Notes on the breeding of the British Great Titmouse. Oolog. Rec. 27 1953 : 45.

1327.—Myres, M. T. Some observations on the autumn migration of Hirundines through the Austrian Alps. *Ibis* **95** 1953 : 310-315 fig.

1328.—Nace, G. W. Serological studies of the blood of the developing chick embryo. *J. exp. Zool.* **122** 1953 : 423-448.

1329.—Nakamura, T. On the time of alternate incubation by bird. *Misc. Rep. Yamashina Inst. Orn. Zool.* No. 1 1952 : 22-27.

1330.—Nakamura, T. On bird status of *Mitsutogé-pass.* *Misc. Rep. Yamashina Inst. Orn. Zool.* No. 2 1953 : 60-73 6 figs.

1331.—Nakamura, T. The capture of *Phaethon r. rothschildi* from Yamanashi Pref. *Tori* **13** 61 1952 : 30-32 fig.

1332.—Nakamura, Y. and T. On newly recorded birds from Oshima and Miyake, the Seven Islands of Izu. *Tori* **13** 61 1952 : 28-29.

1333.—Needham, J. Biochemistry and morphogenesis. Cambridge, 1950: xvi + 787 35 pls. 326 figs.

1334.—Neelakantan, K. K. Juvenile Brahminy Kites learning things the modern way, p. 739. Strange habit of Terns breeding on Godavari sand-flats, p. 740. Occurrence of the Pheasant-tailed Jacana in Madras State. *J. Bombay nat. Hist. Soc.* **51** 1953 : 741.

1335.—Neelakantan, K. K. Observations on the nesting habits of some common [Indian] birds. *J. Bombay nat. Hist. Soc.* **51** 1953 : 743-745.

1336.—Nef, L. Dispersion de la Bergeronnette des ruisseaux (*Motacilla cinerea*) en Belgique. *Gerfaut* **43** 1953 : 38-52 fig.

Neff, J. A. *see* Meanley.

1337.—[Neifakh, A. A.] On some conditions necessary in development of cornea in chicken : 453-456 3 figs. Dependence of the development of cornea on the surrounding parts of embryo]. *C.R. Acad. Sci. URSS. N.S.* **85** 4 1952 : 937-940 3 pp. [In Russian].

1338.—Nelsen, O. E. Comparative embryology of the vertebrates. London (Constable & Co.) 1953. Pp. xxiii + 982 380 figs.

1339.—Nelson, U. C. Northern record of nesting of Red-necked Grebe. *Condor* **55** 1953 : 220.

1340.—Neunteufel, A. Observaciones sobre el *Dromococcyx pavoninus* Pelzeln, y el parasitismo de los Cuculios. *Hornero* **9** 1951 : 288-290 fig.

1341.—Nice, M. M. Some experiences in imprinting ducklings. *Condor* **55** 1953 : 33-37.

1342.—Nice, M. M. The earliest mention of 'territory'. *Condor* **55** 1953 : 316.

1343.—Nice, M. M. Incubation periods of birds of prey : a historical review. *Vogelwarte* **16** 1953 : 154-157.

1344.—Nice, M. M. The question of ten-day incubation periods. *Wilson Bull.* **65** 1952 : 81-93.

1345.—Nichols, J. T. Eye-color in the Red-eyed Towhee. *Bird-Banding* **24** 1953 : 16.

1346.—Nichols, J. T. Eye-color in the Brown Thrasher. *Bird-Banding* **24** 1953 : 17.

1347.—Nichols, J. T. Screech Owl and banded birds. *Bird-Banding* **24** 1953 : 110.

Nicholson, E. M. *see* Hollom.

1348.—[Nicholson, J. H.] Bird notes. *Rep. Oundle nat. Hist. Soc.* **1952** : 4-17.

1349.—Nickell, W. P. A bird which never builds a nest. *News Lett. Cranbrook Inst. Sci.* **22** 7 1953 : 68-71 4 figs.

1350.—Nicou, R. Des Outardes dans le delta du Senegal. *Notes afr.* No. 58 1953 : 61-62.

1351.—Niebuhr, O. Die Sperbergrasmücke (*Sylvia nisoria* (Bechstein)) in Niedersachsen. *Orn. Mitt.* **5** 1953 : 181-188.

1352.—Nielsen, S. W. Nogle bemaerkninger on Skaerhiberin, *Anthus spinoletta littoralis* Brehm. *Flora og Fauna* **58** 3-5 1952 : 93-99 3 figs.

1353.—Nielsen, S. W. Nogle iagttagelser over Sjaggere (*Turdus pilaris* L.) i vinterkvarter. *Flora og Fauna* **59** 1-3 1953 : 43-47.

1354.—Nielson, N. M. Några ornitologiska observationer från en resa i Pyrenéerna. Fauna och Flora **47** 1953 : 225–228 1 fig.

1355.—Niethammer, G. Zur Vogelwelt Boliviens. Mit Unterstützung der Deutschen Forschungsgemeinschaft. Bonn. zool. Beitr. **4** 1953 : 195–303 43 figs.

1356.—Niethammer, G. Gewicht und Flügelänge beim Haussperling. J. Orn. **94** 1953 : 282–289.

1357.—Niethammer, G. Zur Tauchdauer des Blässhuhnes. J. Orn. **94** 1953 : 347.

1358.—Niethammer, G. Schwarzschnabelkuckuck, *Coccyzus erythrophthalmus* (Wilson), in Deutschland. Orn. Mitt. **5** 1952 : 101–102 fig.

1359.—Niethammer, G. Der Kolkrahe (*Corvus corax*) von Fuerteventura, ein Beitrag zur Tiergeographie der östlichen Kanaren. Bonn. zool. Beitr. **4** 1953 : 73–78.

1360.—Nilsson, W. and others. [Swedish bird notes—summaries]. Vår Fågelv. **12** 1953 : 196.

Nisbet, I. C. T. see Griffin.

1361.—Nisbet, I. C. T. and Vine, A. E. Editors. Rep. Camb. orn. Cl. 1952 : 1–29.

1362.—Nishida, S. Résumé—Experimental studies in the sex-reversal in the domestic fowl. Zool. Mag. Tokyo **51** 1939 : 283–294 2 pls. 4 figs.

1363.—Noll, H. Beringungsergebnisse von Rohrsängern, insbesondere des Drosselrohrsängers, im Unterseegebiet. Orn. Beob. **50** 1953 : 36–41.

1364.—Noll, H. Ornithologische Notizen vom Untersee 1952. Orn. Beob. **50** 1953 : 140–143.

1365.—Nordin, I. Fågelobservationer i norra Lappland. Fauna o. Flora **1953** 1953 : 198–201.

1366.—Nordio, C. B. Estrogeno nella cresta della femmina di *Gallus gallus*. Bol. Soc. ital. Biol. sper. **27** 12 1952 : 1740–1742.

1367.—Nordio, G. B. and Curto, G. M. Variazioni del quadro istologica preipofisario e del consumo di ossigeno in seguito all'asportazione della cresta e dei bargigli in *Gallus gallus*. Bol. Soc. ital. Biol. sper. **28** 8 & 10 1953 : 1679–1680.

1368.—Nordström, G. Results of the census work on the birds breeding in three different forests during five years. [English summary]. Orn. fenn. **30** 1953 : 66–67.

1369.—Norgarb, C. and Lasbrey, J. Jackal Buzzards. Ostrich **24** 1953 : 33–36.

1370.—Norris, A. S. Black-winged Stilt breeding in Arabia. Ibis **95** 1953 : 146.

1371.—Norris, C. A. The birds of Bardsey Island in 1952. Brit. Birds **46** 1953 : 131–137.

1372.—Norris, C. A. Hon. Sec. and Treasurer. Bull. Brit. Trust Orn. Nos. 48–51 1953.

1373.—Norris, C. E. Recognising the birds of prey. Loris **6** 1953 : 97–100 9 figs.

1374.—Norris, R. A. Broad-winged Hawk (*Buteo platypterus*) feeds on evening bat. Auk **70** 1953 : 87.

1374a.—Nouvel, J. Quelques observations sur la pathologie de l'Autruche au parc zoologique sur la bois de Vincennes. Rec. Méd. vét. École Alfont **128** 7 1952 : 417–424 2 figs.

1375.—Novaes, F. C. Algumas adeudas á ornithologia de Goias Brasil. Bol. Mus. nac. Rio de J. (zool.) **117** 1952 : 1–7.

1376.—Novaes, F. C. Sobre a validade de "*Syndactyle mirandae*" (Snethlage 1928) (Furnariidae, Aves). Rev. bras. Biol. **13** 1 1953 : 75–76.

1377.—Novaes, F. C. A new race of Tody-Tyrant from southwestern Brasil (Tyrannidae, Aves). Rev. bras. Biol. **13** 3 1953 : 235–236.

1378.—[Novikov, G. A. Bird ecology in Khibinsk Mountains (peninsula Kola). Food of silvatic birds in Kola peninsula]. Trav. Inst. Zool. Acad. Sci. U.R.S.S. : 1133–1198 [in Russian].

1379.—Noorup, L. Tyrkerduen (*Streptopelia decaocto* Friv.) konstateret som dansk ynglefuge [with English Summary]. Flora og Fauna **59** 1-3 1953 : 33-41 5 figs. map.

1380.—Oakes, C. The birds of Lancashire, Edinburgh and London (Oliver & Boyd) 1953 Pp. xv + 377 frontis. 30 pls. 2 figs.

1381.—Oakeson, B. B. Cyclic changes in liver and spleen weights in migratory White-crowned Sparrows. Condor **51** 1953 : 3-16 figs.

1382.—Oatley, T. Some notes on the Ethiopian snipe, *Capella nigripennis nigripennis*. Afr. wild life **7** 1953 : 65-66 fig.

1383.—Ogburn, C. J. The redoubtable Kingbird. Audubon Mag. **55** 1953 : 109-111.

Öhrn, B. see Blomgren.

1384.—Olsen, M. W. and Marsden, S. J. Embryonic development in Turkey eggs laid 60-224 days following removal of males. Proc. Soc. exp. Biol., N.Y. **82** 4 1953 : 638-641 figs.

1385.—Oliver, W. R. B. The Crested Penguins of New Zealand. Emu **53** 1953 : 185-188.

1386.—Oliver, W. R. B. Black-backed Gull breeding at high altitudes. Notornis **5** 1953 : 82.

1387.—Olivier, G. Nidification du Faucon pèlerin sur les édifices. Oiseau, Paris **23** 1953 : 109-124 3 pls.

1388.—Oordt, G. J. van and Kruijt, J. P. On the pelagic distribution of some Procellariiformes in the Atlantic and Southern Oceans. Ibis **95** 1953 : 615-637 figs.

1389.—Oppliger, W. [and others]. Überwinternde Mönchsgrasmücken. Orn. Beob. **50** 1953 : 91.

1390.—Ornithological Soc. of New Zealand. Checklist of New Zealand birds. Wellington N.Z. (A. H. & A. W. Reed) 1953 Pp. 80 3 figs.

Ortman, L. L. see Guhl.

1391.—Overton, W. S., Jr. Some considerations of the Quail study on the Virginia Polytechnic College farms. Virginian J. Sci. N.S. **1** 4 1950 : 347.

1392.—Owen, D. F. Migration at the Kentish Knock Lightship. Brit. Birds **46** 1953 : 353-364 figs.

1393.—Owen, D. F. The autumn migration of the Meadow-Pipit and the Skylark on the Kirkcudbright coast. Scot. Nat. **65** 1953 : 101-107 3 figs.

1394.—Owen, D. F. and Burton, J. F. Observations sur la migration dans le sud-ouest de la France. Alauda **21** 1953 : 223-239 fig.

1395.—Owen, D. F. [and others]. Observations de *Loxia curvirostra* [en France]. Alauda **21** 1953 : 253-254.

1396.—Paccaud, O. Caractères de l'avifaune en Haute-Broye. Nos Oiseaux **22** 1953 : 61-72.

1397.—Paccaud, O. and Géroutet, P. Pages d'initiation XVI. Les Grives et les Merles. Nos Oiseaux **22** 1953 : 10-15 figs.

1398.—Palm, B. The Greenish Warbler (*Phylloscopus trochiloides viridanus* Blyth) observed in Denmark. Dansk orn. Foren. Tidsskr. **47** 1953 : 99-103.

Palmar, C. E. see Meiklejohn.

Palmer, B. C. see Colthurst.

1399.—Panton, E. S. [Jamaican bird notes]. Nat. Hist. Notes nat. Hist. Soc. Jamaica No. 56-57 1952, Nos. 58, 59, 60 1953.

Parker, H. M. see Bagg.

1400.—Parkes, K. C. The incubation patch in males in the Suborder Tyranni. Condor **55** 1953 : 218.

1401.—Parkes, K. C. Evidence for the suppression of the American race of the Pintail. Condor **55** 1953 : 275-276.

1401.—Parquin, P. Note sur l'Aigrette de récifs, *Demigretta sacra* (Gmelin 1789), au Tonkin. Oiseau, Paris **23** 1953 : 73.

1402.—Parkes, K. C. Taxonomic notes on the Laughing Gull. Proc. biol. Soc. Wash. **65** 1952 : 193-195.

1403.—Parkes, G. H. Additional Evening Grosbeak recoveries. Bird-Banding **24** 1953 : 14.

1404.—Parkes, K. C. Some bird records of importance from New York. Wilson Bull. **65** 1953 : 46-47.

1405.—Parkes, K. C. Wayne's Long-billed Marsh Wren in New Brunswick. Canad. Fld. Nat. **66** 6 1952 : 173-174.

1406.—Pasteels, J. Quelques remarques à propos du Mémoire de Mlle. E. Malan. Arch. Biol., Paris **64** 1953 : 183-188 2 figs.

1407.—Patay, R. A propos de quarante-cinq décérébrations chez l'oiseau. Bull. Soc. Sci. Bretagne **26** 1-4 1953 : 76-80.

1408.—Patay, R. Recherches sur la vision télencéphalique des oiseaux. C.R. Acad. Sci. Paris **236** 18 1953 : 1821-1823.

Patay, R. see Lorier.

1409.—Paterson, A. E. Bird-lice and evolution. Bokmakierie **5** 1953 : 14-15.

1410.—Paterson, J. M. Banding Cape Vultures on the Magaliesberg. Bokmakierie **4** 1953 : 58-59 figs.

1411.—Patey, B. At home with the Ospreys. Victoria Nat. **9** 9 1953 : 100-102.

1412.—Paulian, P. Pinnepèdes, cétacés, oiseaux des îles Kerguelen et Amsterdam. Mission Kerguelen 1951 [Oiseaux p. 136]. Mém. Inst. Sci. Madagascar **8A** 1953 : 111-234 30 pls. 2 figs.

1413.—Paulussen, W. Over de broedsels van de Bos- en Holduiven. Gerfaut **43** 1953 : 128-131.

1414.—Pavlovic, V. Influence of temperature on glykemia in pigeon. Arch. Sci. biol. Belgrade **3** 4 1950 : 241-247 [in Yugoslav with French summary].

1415.—Payn, W. H. The birds of South-West Suffolk. Trans. Suffolk Nat. Soc. **8** 2 1953 : 92-100.

1416.—Paynter, R. A. Jr. Autumnal migrants on the Campeche Bank. Auk **70** 1953 : 338-349.

1417.—Peakall, D. B. Red-throated Diver taking off from the ground. Brit. Birds **46** 1953 : 110.

1418.—Peakall, D. B. On the feeding habits of the Redshank and the Spotted Redshank. Brit. Birds **46** 1953 : 304.

Peakall, D. B. see Brownsey.

1419.—Pearse, T. European Starling on Vancouver Island, B.C. Canad. Fld. Nat. **67** 2 1953 : 94.

1420.—Pearse, T. Franklin Gull on Pacific coast of British Columbia. Condor **55** 1953 : 219.

1421.—Pearson, O. P. Use of caves by hummingbirds and other species at high altitudes in Peru. Condor **51** 1953 : 17-20 fig.

Peirson, G. see Barnes.

1422.—Peitzmeier, J. Grauspecht (*Picus canus* Gmelin) trommelt auf Blech. Warum schlüpft das zuletzt gelegte Ei des Geleges mitunter zuerst? Orn. Mitt. **5** 1953 : 6-7.

1423.—Peitzmeier, J. Zur Feldbestimmung der Weidenmeise (*Parus atricapillus* L.). Orn. Mitt. **5** 1953 : 133.

1424.—Pelk. Brief uit Indië. Trop. Natuur **33** 2 1953 : 40-44 figs.

1425.—[Penionzhkevich, E. E. and Zelenskaya, K. V.] Principles of the breeding and keeping of geese, Moskva, 1952 : 1-189, illustr.]. Sci. D.S.I.R. No. 45 p. 88.

1426.—Pennie, I. D. The Arctic Skua in Caithness. Brit. Birds **46** 1953 : 105-108.

1427.—Pennie, I. D. Great Skuas on the Scottish mainland. Brit. Birds **46** 1953 : 262.

1428.—Percy, H. E., Percy, R. C. and Ridley, M. W. An expedition to the Tana River, Kenya Colony. Oryx **2** 1953 : 111-119 pl.

1429.—Percy, R. C., Percy, H. E. and Ridley, M. W. The water holes at Ijara, northern province, Kenya. J. E. Afr. nat. Hist. Soc. **22** 1 1953 : 2-14 4 pls. map.

1430.—Pereyra, J. A. Avifauna Argentina (continuation). Hornero **9** 1951 : 291-347.

1431.—Perry, R. Wanderings of birds. Zoo Life **8** 1953 : 59-63 4 figs.

1432.—Perry, R. Some results of bird ringing. New Biol. No. 15 1953 : 43-59.

1433.—Peters, J. L. and Loveridge, A. Zoological results of a fifth expedition to East Africa. II. Birds from Nyasaland and Tete. Bull. Mus. comp. Zool. Harv. **110** 1953 : 85-139 pl. map.

1434.—Petersen, E. Homing experiments with Black-headed Gull (*Larus r. ridibundus* L.) and Common Gull (*Larus c. canus* L.) in the winter quarters. Dansk orn. Foren. Tidsskr. **47** 1953 : 153-178.

1436.—Peterson, R. Birds-eye view. Audubon Mag. **55** 1953 : 4, 54, 102, 199 figs.

1437.—Peyton, G. Jr. A Sharp-tailed Sparrow at Memphis. Migrant, Tennessee **52** 1953 : 84.

1437a.—Phelps, K. D. de. Aves Venezolanas. Cien de las mas conocidas. Pp. 103 circa 90 col. figs. (Creole Petroleum Corporation) Caracas 1953.

1438.—Phelps, W. H. and Phelps, W. H. Jr. Nine new birds from the Perija Mountains and eleven extensions of ranges to Venezuela. Proc. biol. Soc. Wash. **65** 1952 : 89-105 1 map.

1439.—Phelps, W. H. and Phelps, W. H. Jr. Eight new subspecies of birds from the Perija Mountains, Venezuela. Proc. biol. Soc. Wash. **66** 1953 : 1-12 1 map.

1440.—Phelps, W. H. and Phelps, W. H. Jr. Eight new birds and thirty-three extensions of ranges to Venezuela. Proc. biol. Soc. Wash. **66** 1953 : 125-144 1 map.

Phelps, W. H. Sr. see Belioz.

Phelps, W. H. Jr. see Wetmore.

1441.—Philippi B., R. A. Cambios en la nomenclatura de algunas aves chilenas. Rev. chil. Hist. nat. **48** 1945 : 141-146.

1442.—Philippi, B. Observaciones sobre Aves Norte-Americanas migratorias que visitan Chile. Bol. Mus. nac. Hist. nat. Chile **25** 1951 : 79-84.

1443.—Philipson, M. Nesting of Curlew on river shingle-beds. Brit. Birds **46** 1953 : 346.

1444.—Philipson, M. North-eastern bird studies. Trans. Carlisle nat. Hist. Soc. **8** 1954 : 14-21.

Phillips, A. R. see Dickerman.

1445.—Phillips, W. W. A. A (1952) revised checklist of the birds of Ceylon. Colombo (Colombo Museum) 1953 Pp. XIV + 132.

1446.—Phillips, W. W. A. Birds of Ceylon 2 Colombo (Assoc. Newspapers of Ceylon) 1952 Pp. 49 20 pls. col. 5 photos 1 map.

1447.—Phillips, W. W. A. Partridges of Ceylon. Loris **6** 1953 : 84-90 2 figs.

1448.—Phillips, W. W. A. Nests and eggs of Ceylon birds (Picidae and Capitonidae). Ceylon J. Sci. **25B** 1953 : 117-137 4 pls.

1449.—Phillips, W. W. A. Notes upon some birds of the Manuar coast of North-west Ceylon. Spolia zeylan. **27** 1 1953 : 77-81.

1450.—Phillips, W. W. A. The Indian Cuckoo, *Cuculus micropterus micropterus*, in Ceylon. J. Bombay nat. Hist. Soc. **51** 1952 : 274.

1451.—Phillips, W. W. A. A grass-fire association of the Ceylon Swallow, *Hirundo daurica hyperythra*. Ibis **95** 1953 : 142.

1452.—Phillips, W. W. A. Cretzschmar's Bunting at sea. Ibis **95** 1953 : 548.

1453.—Phythian-Adams, E. G. Scenting power in birds. J. Bombay nat. Hist. Soc. **51** 1953 : 750.

1454.—Pickens, A. L. The wild bird as a factor in breeding attractive flowers. J. Elisha Mitchell sci. Soc. **69** 2 1953 : 98.

1455.—Pickering, C. F. Hummingbirds. Migrant, Tennessee **52** 1953 : 67-73 pl.

1456.—Pillay, R. S. A granivorous Green Pigeon. J. Bombay nat. Hist. Soc. **51** 1952 : 275.

1457.—Pimlott, D. H. The economic status of the Herring Gulls of the Grand Manan Archipelago, New Brunswick, 1949. Wildl. Mgmt. Bull. Can. Ser. 2 No. 5 1952 : 1-76 6 figs.

1458.—Pinchon, R. Aperçu sur l'avifaune de la Désirade. Oiseau, Paris **23** 1953 : 161-170 pl.

1459.—Pinto, A. A. de R. Lista das Aves da Região Extremo Sul da Provincia de Moçambique. Bol. Soc. Estud. Moçambique **13** (77) 1953 : 1-72.

1460.—**Pinto, O.** Sobre a colecao Carlos Estevão de peles, ninhós, e ovos das aves de Belem (Para). Pap. Rep. Zool. Sec. Agric. S. Paulo **11** 1953 : 111-224 16 pls.

1461.—**Pittman, J. A.** Direct observation of the flight speed of the Common Loon. Wilson Bull. **65** 1953 : 213.

1462.—[**Podkovirkin, B. A.** Migrations of birds in the northern part of Kurile Islands]. Bull. Soc. Nat. Moscow **57** (6) 1952 : 28-34 [in Russian].

1463.—**Poisson, R. A.** La Tarin Rouge du Vénézuéla *Spinus (Chrysomitris) cucullatus* (Swainson). Bull. Soc. sci. Bretagne **27** 1-4 1952 : 13-16 1 fig.

1464.—**Poll, J. van de.** Une Fauvette à tête noire *Sylvia tricapilla* hiverne chez nous. Nos Oiseaux **22** 1953 : 137-138.

1464a.—**Polunin, N. and Eklund, C. R.** Notes on food habits of Waterfowl in the interior of Ungava Peninsula. Canad. Fld. Nat. **67** 1953 : 134-137.

1465.—**Poncy, R.** Grèbe à cou noir étouffé par un Chabot. Nos Oiseaux **22** 1953 : 72.

Pons, H. see Aveledo.

1466.—**Poole, A. L.** Preliminary reports of the New Zealand-American Fiordland Expedition. Investigations in Fiordland, New Zealand, in 1949. Bull. N.Z. Dep. sci. industr. Res. No. 103 1951 : 1-99 18 figs. map.

1467.—[**Popov, V. V. and Borsuk, R. A.** Replacement of cornea with embryonic skin in adult birds]. C.R., Acad. Sci. URSS N.S. **85** 5 1952 : 1181-1184 [In Russian].

1468.—[**Porsenko, L. A.** Age and seasonal changes in ducks belonging to the genus *Somateria*]. Trav. Inst. Zool. Acad. Sci. U.R.S.S. **9** 1952 : 1100-1132 9 figs. [In Russian].

1469.—**Pospelov, S. M.** The food and economic importance of *Certhia familiaris* and *Dendrocopos minor*. Zool Zh., Moscow **32** 2 1953 : 283-287 [In Russian].

1470.—**Potter, J. H. and Allee, W. C.** Some effects of experience with breeds of *Gallus gallus* L. on behaviour of hens toward strange individuals. Physiol. Zool. **26** 1953 : 147-161.

1471.—**Poty, P.** Capture d'un Pygargue en Saône-et-Loire. Alauda **21** 1953 : 135.

1472.—**Poulsen, C. M.** The Ringed Plover (*Charadrius h. hiaticula* (L.)) as a breeding-bird in the interior country (English summary). Dansk orn. Foren. Tidsskr. **47** 1953 : 16-35 6 figs.

1473.—**Poulsen, H.** A study of incubation responses and some other behaviour patterns in birds. Vidensk. Medd. dansk naturh. Foren. Kbh. **115** 1953 : 1-131 7 figs.

1474.—**Poulsen, C. M.** Et besøg paa Hirsholmen. Flora og Fauna **58** 3-5 1952 : 85-90 5 figs.

1475.—**Poulter, D.** Grass found in stomach of Little Owl. Brit. Birds **46** 1953 : 414.

1476.—**Precht, H. F. R.** Zur physiologie der angeborenen auslösenden Mechanismen. I. Quantitative Untersuchungen über die Sperrbewegung junger Singvögel. Behaviour **5** 1953 : 32-50 4 figs.

1477.—**Presenti, P. G.** Il passo degli uccelli nel bergamasco nel periodo 1946-1952. Riv. ital. Orn. **23** 1953 : 24-31.

1478.—**Preston, F. W.** The shapes of birds' eggs. Auk **70** 1953 : 160-182 figs.

1479.—**Prestwich, A. A.** A Tudor bird-cage. Avicult. Mag. **59** 1953 : 168 pl.

1480.—**Preuss.** 100 DM Busse für einer Jungfalken. Orn. Mitt. **5** 1953 : 234.

1481.—**Prévost, J.** Formation des couples, ponte et incubation chez le Manchot empereur : 141-156 3 pls. Notes sur la reproduction du Fulmar antarctique, *Fulmarus glacialis* (A. Smith). Alauda **21** 1953 : 157-164 2 pls.

1482.—**Prévost, J.** Notes sur l'écologie des Pétrels de Terre Adélie. Expédition polaires françaises. Note ornithologique No. 11. Alauda **21** 1953 : 205-222 4 pls. fig.

- Prévost, J.** *see* Jouanin.
- 1483.—Prigogine, A.** Quatre nouveaux oiseaux du Congo belge. *Rev. Zool. Bot. afr.* **46** 1952 : 407-415.
- 1484.—Prigogine, A.** Notes sur les Pies-grèches multicolores du Congo belge. *Rev. Zool. Bot. afr.* **48** 1953 : 313-324.
- 1485.—Prigogine, A.** Contribution à l'étude de la Faune ornithologique de la région à l'ouest du lac Edouard. *Ann. Mus. Congo Belg.* 8vo **24** 1-117 1953 : 27 figs.
- 1486.—Profft, J.** Kleiner Beitrag zur Ornithologie der Vögel der Heimat **5** 1950 : 103-107.
- 1487.—Proud, D.** More notes on birds of the Gandak-Kosi watershed, Nepal. *J. Bombay nat. Hist. Soc.* **51** 3 1953 : 653-670.
- 1488.—Pryde, V. C.** Kookaburras devouring snake. *N. Qd. Nat.* **22** 106 1953 : 4.
- 1489.—Przygodda, W.** Fledermaus und Grosser Buntspecht als Beute des Turmfalken. *J. Orn.* **94** 1953 : 348-351.
- 1490.—Pulich, W. M.** A possible desert flight line of the American Redstart. *Condor* **55** 1953 : 99-100.
- 1491.—Pulich, W. M. and Gullion, W.** Black-and-white Warbler, Dickcissel, and True Sparrow in Nevada. *Condor* **55** 1953 : 215.
- 1492.—Pyman, G. A.** Baillon's Crake in Essex. *Brit. Birds* **46** 1953 : 452.
- 1493.—Pyman, G. A.** Autumn raptor migration in the eastern Mediterranean. *Ibis* **95** 1953 : 550.
- Quay, T. L.** *see* Cummings.
- 1494.—Quayle, D. B.** The myth of the Barnacle Goose. *Victoria Nat.* **9** 2 1952 : 15-18.
- 1495.—Racey, K.** Townsend Solitaire in North Vancouver, B.C. *Murrelet* **34** 1953 : 47.
- 1496.—[Ragozina, M. N.]** Stages in embryonic development of chicken in connection with a change of its nutrition. *C.R. Acad. Sci. Moscow N.S.* **89** 4 1953 : 761-764 4 figs. [In Russian].
- 1497.—Raines, R. J.** October passerine migration in the south Lancashire coast. *Brit. Birds* **46** 1953 : 24-34 figs.
- 1498.—Raines, K. J., Kelsey, T. and Behrend, D.** Marsh Sandpiper in Cheshire. *Brit. Birds* **46** 1953 : 260.
- 1499.—Raitasuo, K.** Die Beziehungen zwischen Reiherenten und Möwenvögeln in gemischten Kolonien. *Orn. Fenn.* **30** 1 1953 : 1-16.
- 1500.—Ramsay, A. O.** Variations in the development of broodiness in fowl. *Behaviour* **5** 1953 : 51-57.
- 1501.—Rand, A. L.** Factors affecting feeding rate of Anis. *Auk* **70** 1953 : 26-30.
- 1502.—Rand, A. L.** Birds in gilded cages run afoul of the law. *Bull. Chicago nat. Hist. Mus.* **24** 12 1953 : 6.
- 1503.—Rand, A. L.** Geographical variation in the Laughing Thrush *Garrulax affinis*. *Nat. Hist. Misc. No.* 116 1953 : 1-6.
- 1504.—Rand, A. L.** Use of snake skins in birds' nests. *Nat. Hist. Misc. No.* 125 1953 : 1-5.
- 1505.—Rand, A. L.** Notes on flycatchers of genus *Batis*. *Fieldiana Zool.* **34** 1953 : 133-148.
- 1506.—Rand, A. L.** A new Barbet from French Indo-China. *Fieldiana Zool.* **34** 1953 : 211-212.
- 1507.—Rand, A. L. and Fleming, R. L.** A new Fruit Pigeon from Nepal. *Fieldiana Zool.* **34** 1953 : 201-202.
- 1507a.—Rand, A. L. and Traylor, M. A. Jr.** The systematic position of the genera *Ramphocaenus* and *Microbates*. *Auk* **70** 1953 : 334-337.
- 1508.—Rand, R. W. and Liveridge, R.** "White phase" of Giant Petrel off Dassen Island. *Ostrich* **24** 1953 : 50.
- 1509.—Rappe, A.** Passages d'oiseaux en automne dans la région de Spa. *Rev. verviét. Hist. nat.* **9** 7-10 1952 : 76-80.
- 1510.—Rappe, A.** Observations ornithologiques. *Rev. verviét. Hist. nat.* **10** 1953 : 47-48, 55-56, 95.

1511.—Rappe, A. Quelques notes sur la Poule d'Eau. Rev. verviét. Hist. nat. **10** 5-6 1953 : 50-52.

1512.—Rappe, A. [and others]. Brèves communications [Belgian bird notes]. Gerfaut **43** 1953 : 63-86, 261-291, 361-364.

1513.—Rasmussen, S. R. Naebdeformiteter hos Råger (*Corvus frugilegus* L.). Dansk orn. Foren. Tidsskr. **47** 1953 : 276 figs.

1514.—Rauls, W. Pirol friskt Kartoffelkäfer. Orn. Mitt. **5** 1953 : 188.

1515.—Raventlow, A. Experience during fifteen years with the feeding and management of Hummingbirds in captivity. Avicult. Mag. **59** 1953 : 1-7 pl.

1516.—Rayment, T. Do snakes fascinate birds? Vict. Nat., Melb. **69** 11 1953 : 143-144.

1517.—Reboussin, R. Peinture ou Photographie? Oiseaux, Paris **23** 1953 : 151-154.

1518.—Reboussin, R. Observations sur les oiseaux du Loir-et-Cher. Oiseau, Paris **23** 1953 : 265-280 figs.

1519.—Redford, W. Mallards feeding on acorns. Victoria Nat. **9** 9 1953 : 99.

1520.—Reed, P. C. Danger of leg mutilation from the use of metal color bands. Bird-Banding **24** 1953 : 65-67 fig.

1521.—Reed, R. A. Some observations on the Didric Cuckoo. Ostrich **24** 1953 : 138-140.

1522.—No record.

1523.—Rehm, T. [and others]. Fund eines Krabbentauchers, *Plotus alle* (L.), bei Fallersleben [and other bird notes]. Beitr. Naturk. Niedersachs. **6** 1 1953 : 82 figs.

Reinecke, R. see Berndt.

1524.—Reinsch, H. H. Fährinselbeobachtungen. Orn. Mitt. **5** 1953 : 21-31 figs.

1525.—Remmert, H. Kieselsteine im Magen einer Nachtschwalbe (*Caprimulgus europaeus*). Orn. Mitt. **5** 1953 : 231.

Remmert, H. see Kumerloeve.

1526.—Remotti, E. and Bonetti, D. Aspetti genetici della disgiunzione epitelio-vasi. Boll. Zool. **18** 1951 : 321-326.

1527.—Rett, E. Z. Additional notes on the birds of Santa Rosa Island, California. Condor **55** 1953 : 156.

1528.—Reuter, M. Tierphänologische Beobachtungen in Finnland 1946-1950. Bidr. Finl. Nat. Folk **92** 4 1952 : 1-42.

1529.—Reye, G. Sommerliche Kreuzschnabel-Invasion 1953. Orn. Mitt. **5** 1953 : 210 fig.

1530.—Ribaut, J. P. La migration d'automne 1952 au Col de Cou. Nos Oiseaux **22** 1953 : 82-90 figs.

1531.—Rice, D. W. and Mockford, E. L. Cinnamon Teal and Avocets in Florida. Wilson Bull. **65** 1953 : 211.

1532.—Richards, L. P. and Baldwin, P. H. Recent records of some Hawaiian Honey creepers. Condor **55** 1953 : 221-222.

1534.—Richardson, R. A. A distinction in flight between Arctic and Common Terns. Brit. Birds **46** 1953 : 411-412 fig.

1535.—Richardson, R. A. and Hayman, P. J. Little Bittern in Norfolk. Brit. Birds **46** 1953 : 450.

1536.—Richdale, L. E. Post-egg period in albatrosses. Dunedin, N.Z. (The Author, 23 Skibo St., Dunedin) 1952 Pp. 166 18 pls.

1537.—Richmond, S. M. The attraction of Purple Martins to an urban location in western Oregon. Condor **55** 1953 : 225-249 figs.

1538.—Richter, H. Zur Lebensweise der Wasserramsel : Der Ortswechsel. J. Orn. **94** 1953 : 68-82 figs.

1539.—Ridley, M. W. and Percy, R. C. Notes on the birds of Lake Elmenteita, Kenya Colony. Proc. Univ. Durham phil. Soc. **12** 8 1953 : 103-118 2 pls. 2 figs.

1540.—Ridley, M. W., Percy, H. E. and R. C. The birds of Bwamba—further additions. Uganda J. **17** 1953 : 161-165.

1541.—**Rieffenberger, J. C.** Identification of songbird nests by reclaimed eggshell fragments. *Wilson Bull.* **65** 1953 : 196.

1542.—**Riegel, M.** and **Kuhk, R.** Schlangenadler (*Circaetus gallicus*) aus Schlesien nach 17 Jahren in Frankreich erlegt. *Vogelwarte* **16** 1953 : 174.

1543.—**Rigdon, R. H.** Action of Cortisone on developing chick embryo. *Proc. Soc. exp. Biol., N.Y.* **83** 1 1953 : 34–36 fig.

1544.—**Riggs, C. D.** and **Starks, K.** Canada geese nesting at Lake Texoma, Oklahoma. *Proc. Okla. Acad. Sci.* **32** 1952 : 33–36.

1545.—**Riley, D. P.** The chemistry of an egg. *Proc. roy. Instn. G.B.* **35** 2 1953 : 363–375 2 pls. 4 figs.

1546.—**Rimington, C.** Abnormally pigmented egg of domestic duck. *Bull. Brit. orn. Cl.* **73** 1953 : 24.

1547.—**Riney, T.** Notes on the habitat and behaviour of the Rock Wren subspecies *Xenicus gilviventris rineyi* Falla. *Notornis* **5** 1953 : 186–188 3 pls.

1548.—**Ringleben, H.** Beobachtungen an der Elster (*Pica pica*) im nordwestlichen Teil der Sowjetunion in Freileben und Gefangenschaft. *Zool. Gart. Lpz.* **19** 1952 : 288–294.

1549.—**Ringleben, H.** Kommt der Feisenpieper im nordwestdeutschen Binnenland vor? *Beitr. Naturh. Niedersachs.* **6** 3 1953 : 82–86. Also p. 86.

1550.—**Ringleben, H.** Zum Vorkommen nordischer Wildgänse als Durchzügler und Wintergäste in Schleswig-Holstein. *Schr. naturw. Ver. Schl.-Holst.* **26** 2 1953 : 138–145.

Ringleben, H. see Goethe.

Rintoul, L. J. see Baxter.

1551.—**Ripley, S. D.** What is *Megalaima robustirostris* (Baker)? *Ibis* **95** 1953 : 547–548.

1552.—**Ripley, S. D.** *Muscicapa westermanni indochinensis* a synonym of *M. w. australorientis*. *J. Bombay nat. Hist. Soc.* **51** 1952 : 272.

1553.—**Ripley, S. O.** Populations of Mrs. Gould's Sunbird, with comments on ranges and variation among related species of Sunbirds. *J. Bombay nat. Hist. Soc.* **51** 3 1953 : 690–696.

1554.—**Ripley, S. D.** Notes sur les oiseaux du Laos. *Oiseau, Paris* **23** 1953 : 89–92.

1555.—**Ripley, S. D.** A note on the species *Muscicapa westermanni*. *Proc. biol. Soc. Wash.* **65** 1952 : 71–74.

1556.—**Ripley, S. D.** The Thrushes. *Postilla No.* **13** 1952 : 1–48.

Ripley, S. D. see Schauensee.

1557.—**Rittinghaus, H.** Adoptionsversuche mit Sand- und Seeregenvögeln. *J. Orn.* **94** 1953 : 144–159 2 pls.

1558.—**Rittinghaus, H.** Ursachen von Zehenverletzungen bei Strandvögeln. *Natur u. Volk* **83** 5 1953 : 165–169 6 figs.

1559.—**Roberts, N. L.** Choosing the nest site. *Emu* **53** 1953 : 128–130.

1560.—**Roberts, R. V.** Some birds of the Mokohinau Group. *Notornis* **5** 1953 : 197–198.

1561.—**Robertson, A. W. P.** Early breeding of Crossbill in East Anglia. *Brit. Birds* **46** 1953 : 380.

Robertson, F. H. see Wodzicki.

1562.—**Robinson, C. H. C.** Notes on the breeding of the Bokmakiri. *Ostrich* **24** 1953 : 153–158.

1563.—**Robinson, T. S.** Whooping Cranes in Kansas in 1952. *Wilson Bull.* **65** 1953 : 211.

1564.—**Robinson, T. S.** and **Baker, R. H.** Climatic factors affecting the 1951 Kansas Bobwhite population as shown by examination of wings from hunter-killed birds. *Trans. Kansas Acad. Sci.* **55** 1952 : 287–296 5 figs.

1565.—**Robson, R. W.** Fledging period of Redshank. *Brit. Birds* **46** 1953 : 411.

1566.—**Rollin, N.** A note on abnormally marked Song Thrushes and Blackbirds. *Trans. nat. Hist. Soc. Northumb. N.S.* **10** 5 1953 : 183–184.

1567.—**Rommel, K.** Der Nestbau der Wacholderdrossel (*Turdus pilaris*). *Orn. Mitt.* **5** 1953 : 31–32 fig.

1568.—**Rommel, K.** Die Wacholderdrossel in Hessen. *Orn. Mitt.* **5** 1953 : 52–53.

1569.—**Rommel, K.** Die Expansion der Wacholderdrossel—*Turdus pilaris* L.—nach Mitteleuropa. *Vogelring* **22** 1 1953 : 90–135.

1570.—Rooke, K. B. Report on Dorset birds, 1951. Proc. Dorset nat. Hist. Fld. Cl. **73** 1952 : 178–198 map.

1571.—Rooke, K. B. Report on Dorset birds, 1952. Proc. Dorset nat. Hist. archaeol. Soc. **74** 1953 : 133–148 map.

1572.—Root, O. M. Band recovered in Pigeon Hawk's gizzard. Bird-Banding **24** 1953 : 110.

1573.—Rooth, J. On the correlation between the jaw muscles and the structure of the skull in *Columba palumbus palumbus* L. I.–II. Proc. Acad. Sci. Amst. **56C** 2 1953 : 251–264 12 figs.

1574.—Rørth, P. J. Forandringer i gåsebestanden på Nordfyn. Flora og Fauna **59** 1–3 1953 : 62–64.

1575.—Rosa Pinto, A. A. da and Lamm, D. W. Contribuição para o estudo da ornitologia do Sul do Save (Moçambique). Mem. Mus. de Castn No. 2 1953 : 43–85 [English translation p. 65].

1576.—Rosenberger, W. Nebelkrähe Sommervogel in Würzburg. Orn. Mitt. **5** 1953 : 234.

1577.—Rosenwinkel, A. C. and others. Notes of interest. Flicker, Minnesota **25** 2 1953 : 79–82.

1578.—Rösiö, F. Svenska Fåglar (Saxon & Lindströms Förlag) Stockholm 1953. Pp. 500 32 col. pls. text illust.

1579.—Rountree, F. R. G. Some aspects of bird-life in Mauritius. Proc. Soc. Arts Sci. Mauritius **1** 2 1951 : 83–96.

1580.—Rountree, F. R. G., Guérin R., Pelte, S. and Vinson, J. Catalogue of the birds of Mauritius. Mauritius Inst. Bull. **3** 3 1952 : 155–217.

1581.—Roux, G. Observation hâive de Martinets noirs. Nos Oiseaux **22** 1953 : 15.

1582.—Rowan, M. K. Pursuing the [Cape] Robin. Bokmakierie **5** 1953 : 53–56.

1583.—Rowan, W. The Hungarian Partridge (*Perdix perdix*) in Canada. Proc. roy. Soc. Can. (3) **46** [6] 1952 : 161–162.

1584.—Rudebeck, G. A field-ornithologist in South Africa. Some ornithological results of the Swedish South Africa Expedition 1950–1951 [Summary]. Vår Fågelv. **12** 1953 : 130–135.

1585.—Rudebeck, G. The choice of prey and modes of hunting of predatory birds with special reference to their selective effect. Oikos **3** 2 1953 : 200–231.

1586.—[Rumyantzeva, O. N.] Some principles in the development of somatic musculature in mammals and birds in postembryonic period of life]. C.R. Acad. Sci. U.R.S.S. N.S. **90** 6 1953 : 1187–1190 4 figs. [In Russian].

1587.—Ruschi, A. Lista das aves do Estado do Espírito Santo. Bol. Mus. Biol. Prof. Mello-Leitão Zool. No. 11 1953 : 1–21.

Russell, R. see Lockley.

1588.—Ruthke, P. Die Brutvögel des Mönnegebieter im pommerschen Oderdelta. Orn. Abh. No. 11 1951 : 1–40.

1589.—Rutledge, R. F. Spotted Flycatchers persistently alighting on the ground. Brit. Birds **46** 1953 : 349.

1590.—Rutledge, R. F. Red-eyed Vireo in Ireland. Brit. Birds **46** 1953 : 378.

1591.—Rutledge, R. F. Red-crested Pochard in Co. Galway. Irish Nat. J. **11** 2 1953 : 53.

1592.—Rutledge, R. F. Report on observations of birds at Irish Light-stations, 1952. Irish Nat. J. **11** 4 1953 : 99–101.

1593.—No record.

1594.—Ruwet, J. C. Notes sur l'ouverture des bouteilles de lait par les Mésanges bleues et charbonnières. Gerfaut **43** 1953 : 168–171.

1595.—Ryser, R. Saatgänse im Grossen Moos. Orn. Beob. **50** 1953 : 93.

Ryser, R. see Stricker.

1596.—Sacarrão, G. da F. Contribuição para o estudo das Aves de Mocambique. III. Arch. Mus. Bocage No. 22, 1951 : 39–52.

1597.—Sachs, F. Säbelschnäbler (*Recurvirostra avosetta*) am Federsee. Orn. Mitt. **5** 1953 : 114.

1598.—**Saez-Royuela, R.** *Muscicapa hypoleuca* (Pallas) en la Peninsula Ibérica [with French résumé]. *Broteria* **22** 1-2 1953 : 66-77 2 figs.

1599.—**Saez-Royuela, R.** Liste des Passeriformes de l'Espagne. Part 1. Oiseau, Paris **23** 1953 : 93-108.

1600.—**Sage, B. L.** On some unusual plumage variations in the Mallard. *Bull. Brit. Orn. Cl.* **73** 1953 : 60.

1601.—**Saint-Girons, M. C.** and **Petter, F.** Notes sur quelques petits mammifères du Maroc atlantique. *Mammalia Paris* **17** 1953 : 318-321.

1602.—**Saint Paul, U. von.** Nachweis der Sonnenorientierung bei nächtlich ziehenden Vögeln. *Behaviour* **6** 1953 : 1-7 4 figs.

1603.—**Salomonsen, F.** Fra Zoologist Museum. XVII. (with English summaries). *Dansk orn. Foren. Tidsskr.* **47** 1953 : 126-139.

1604.—**Salomonsen, F.** Prof. Dr. phil. Adolf S. Jensen (23. Maj 1866—29. August 1953). *Dansk orn. Foren. Tidsskr.* **47** 1953 : 221-224 portrait.

1604a.—**Salomonsen, F.** Miscellaneous notes on Philippine birds. *Vidensk. Medd. fra Dansk naturh. Foren.* **115** 1953 : 205-281.

1604b.—**Salomonsen, F.** Fugle-traekket og dets gåder. Pp. 224 8 pls. (Munksgaard) Copenhagen 1953.

1605.—**Salt, G. W.** An ecologic analysis of three California avifaunas. *Condor* **55** 1953 : 258-273.

1606.—**Sammalisto, L.** First record of Bearded Tit in Finland. *Ornis fenn.* **30** 1953 : 18.

1607.—**Sanft, K.** On the status of the Hornbill *Aceros subruficollis* (Blyth). *Ibis* **95** 1953 : 702-703.

1608.—**Sapin-Jaloustre, J.** L'établissement de la therme régulation chez le poussin du manchot d'Adélie (*Pygoscelis adeliae*). *C.R. Acad. Sci. Paris* **237** 22 1953 : 1443-1445.

1609.—**Sapin-Jaloustre, J.** and **Cendron, J.** Une technique de dénombrement et d'étude d'une rookerie de Manchots Adélie par la photographie systématique. *Terre et la Vie* **100** 1 1953 : 1-25 3 pls. map.

1610.—**Saunders, G. B.** The Tule Goose, Blue Goose, and Mottled Duck added to the list of the birds of Mexico. *Auk* **70** 1953 : 84.

1611.—**Sawyer, F. C.** The dates of issue of J. E. Gray's "Illustrations of Indian Zoology" (London 1830-1835). *J. Soc. Bibl. nat. Hist.* **3** 1953 : 48-55.

1612.—**Scaccini, A.** Studio citologico della spermatogenesi nella gallina di Faraone domestica (*Numida meliagrís* L.). *Arch. ital. Anat. Embriol.* **47** 1942 : 803-824 2 pls. figs.

1613.—**Scaife, M. A.** The Wren, with some views on its powers of adaptation. *Bull. jun. Bird Rec. Cl. R. Soc. Prot. Birds* No. 3 1953 : 1-4.

1614.—**Scarlett, R. J.** Determination of Moa remains from South Island middens. *Rep. 7th sci. Congr. N.Z.* 1953 : 198-199.

1615.—**Scarlett, R. J.** A sub-fossil hawk from New Zealand. *Rec. Canterbury [N.Z.] Mus.* **6** 1953 : 245-252 figs.

1616.—**Schaefer, E.** Contribution to the life history of the Swallow-Tanager. *Auk* **70** 1953 : 403-460 8 pls.

1617.—**Schaefer, E.** Analogia de adaptacion entre plantas y animales de la selva nublada de "Rancho Grande". *Rev. Fac. Agric. Caracas* **1** 2 1953 : 129-137 3 pls.

1618.—**Schauensee, R. M. de.** Manakins and Cotingas from Ecuador and Peru. *Proc. Acad. nat. Sci. Philad.* **105** 1953 : 29-43.

1619.—**Schauensee, R. M. de** and **Ripley, S. D.** Birds of Oman and Muscat. *Proc. Acad. nat. Sci. Philad.* **105** 1953 : 71-90.

1620.—**Scheer, G.** Beobachtungen am Karmingimpel. *Anz. Orn. Ges. Bay.* **4** 2 1953 : 70-72.

1621.—**Scheithe, K.** Nachtigall mit Schnabelmissbildung. *Orn. Mitt.* **5** 1953 : 228 fig.

1622.—**Scheven, J.** Über ein Brutvorkommen von Steppenweihen am Conventer See bei Doberan (Mecklbg.) 1952. *J. Orn.* **94** 1953 : 290-299 3 pls.

1623.—**Schifferli, A.** Bericht der Schweizerischen Vogelwarte Sempach für die Jahre 1951 und 1952. *Orn. Beob.* **50** 1953 : 169 208.

1624.—Schifferli, A. Der Bergfinken-Masseneinfall (*Fringilla montifringilla*) 1950/51 in der Schweiz. Orn. Beob. **50** 1953 : 65–89 4 pls.

1625.—Schinz, J. Berghänfling bei Klingnau. Orn. Beob. **50** 1953 : 31.

1626.—Schinz, J. Eine Trauerbachstelze am Fanelstrand. Orn. Beob. **50** 1953 : 143.

1627.—Schinz, J. Die Vogelwelt des Neeracherriedes. Ein Beitrag zur Heimatkunde des Kantons Zürich. (Fretz A. G.) Zürich 1953 : 1–78.

1628.—Schinz, J. and others. Das Neeracherried. Vjschr. naturf. Ges. Zürich **90** 1945 : 1–31 figs.

1629.—Schmitt, C. Der Werdegang einer Amselstrophe. Orn. Mitt. **5** 1953 : 221–222 fig.

1630.—Schmitz, F. Türkentaube (*Streptopelia decaocto*) in Aachen. Orn. Mitt. **5** 1953 : 11.

1631.—Schneider, A. Schleiereulen (*Tyto alba guttata*) greifen Menschen an. Orn. Mitt. **5** 1953 : 96.

1632.—Schneider, A. Sperlingsbekämpfung. Orn. Mitt. **5** 1953 : 211.

1633.—Schnurre, O. Über einige Bestandsveränderungen märkischer Raubvögel. J. Orn. **94** 1953 : 94–98.

Schöch, I. see Heer.

1634.—Schoennagel, E. Türkentaube (*Streptopelia decaocto*) Brutvogel in Hameln/Weser. Orn. Mitt. **5** 1953 : 192.

1635.—Schönwelter, M. Die Schalendicke bei Zwerg- und Rieseneiern. J. Orn. **94** 1953 : 175–180.

1636.—Schou, N. Nogle fugleiagttagelser fra Skotland juin 1951. Flora og Fauna **59** 1–3 1953 : 17–32 7 figs.

1637.—Schouteden, H. De vogels van Belgisch Congo en van Ruanda-Urundi. Ann. Mus. Congo belg. Zool. Ser. 4 **3** 1952 : 177–340 89 figs.

1638.—Schouteden, H. Les oiseaux indicateurs. Bull. Cercl. zool. cong. **21** 1953 : 30–36 1 fig.

1639.—Schouteden, H. Le *Linurgus olivaceus Prigoginei* Schout. Rev. Zool. Bot. afr. **46** 1952 : 284–285.

1640.—Schouteden, H. Un Strigide nouveau d'Afrique noire : *Phodilus prigoginei* nov. sp. Rev. Zool. Bot. afr. **46** 1952 : 423–428 4 figs.

1641.—Schouteden, H. Quelques Strigides congolais. Rev. Zool. Bot. afr. **47** 1953 : 400.

1642.—Schouteden, H. *Amblyospiza albifrons kasaika* n. ssp. Rev. Zool. Bot. afr. **48** 1953 : 240–241.

1643.—Schouteden, H. Le Héron Crabier de Madagascar *Ardeola idae* au Congo belge. Rev. Zool. Bot. afr. **48** 1953 : 294–296.

1644.—Schouteden, H. Nouvelles notes sur *Corythornis leucogaster Leopoldi* Dub. Rev. Zool. Bot. afr. **48** 1953 : 297–300.

1645.—Schouteden, H. A propos des Rousserelles Congolaises. Zoolo N.S. No. 18 1953 : 457–459.

1646.—Schouteden, H. La préparation des oiseaux. Zoolo N.S. No. 21 1953 : 63–77 13 figs.

1647.—Schroder, H. H. The Vanishing Everglade Kite. Frontiers **17** 4 1953 : 116–118 figs.

1648.—Schubert, G. Beobachtungen an der Vogelwelt eines Industriegebietes. Orn. Mitt. **5** 1953 : 106–109 figs.

1649.—Schubert, G. Flugzeugbeobachtungen über die Flughöhe einiger Vogelarten. Orn. Mitt. **5** 1953 : 227.

1650.—Schuler, M. and Sütterlin, F. Beobachtung von Gänsen im Februar 1952. Orn. Beob. **50** 1953 : 31.

1651.—Schüz, E. Schlussbericht (1944) über die Starsiedlung in Rossitten. J. Orn. **94** 1953 : 31–35.

1652.—Schüz, E. Die Zugscheide des Weissen Storchs nach den Berichterstattungen. Bonn. zool. Beitr. **4** 1953 : 31–72 3 figs.

1653.—Schüz, E. Gestörte Jungenaufzucht beim Weissen Storch in Rosswag. Jh. Ver. vaterl. Naturh. Württemb. **108** 1953 : 120–125 1 fig.

1654.—Schüz, E. Zum Begriff : Angeborener Auslösungs-Mechanismus. Vogelwarte **16** 1953 : 174.

1655.—Schultz, V. Status of the Puffed Grouse in Tennessee. Migrant Tennessee **24** 3 1953 : 45–52 fig.

1656.—Schultz, H. J. [and Bub, H.]. Purpurreiher (*Ardea purpurea*) in Mecklenburg und Wilhelmshaven. Orn. Mitt. 5 1953 : 193.

1657.—Schwartz, C. W. and E. R. Notes on the Hawaiian Duck. Wilson Bull. 65 1953 : 18-25 5 photos.

1658.—Schwarz, M. Das Leiern der Mönchsgrasmücke *Sylvia atricapilla*. Orn. Beob. 50 1953 : 3-9 pl.

1659.—Sciple, G. W. Red Phalarope in Utah. Wilson Bull. 65 1953 : 205.

1660.—Sedgwick, L. A Gabbins bird list, 3 1952 : 152-155. Bird-life at Caron. W. Aust. Nat. 4 1953 : 12-20.

Sefton, A. see Gibson, J. D.

1661.—Seilkopf, H. Die Wanderung eines jungen Weissstorchs von Holstein nach Finnland (unter meteorologischem Aspekt). Vogelwarte 16 1953 : 143-146.

1662.—Selander, R. K. Notes on the Red Crossbills of the Uinta and Wasatch Mountains, Utah. Condor 55 1953 : 158-160.

Selander, R. K. see Behle.

1663.—Selander, R. K. and Toro, M. A. del. The breeding distribution of *Chordeiles minor* in Mexico. Condor 55 1953 : 160.

1664.—[Semenov-Tyan-Shanskii, O. I. Incubation of Tetraonidae in natural conditions]. Bull. Soc. Nat. Moscow 57 (6) 1952 : 35-41 6 figs. [In Russian].

1665.—[Semenov-Tyan-Shanskii, O. I. Light conditions for the migration of Woodcock]. Zool. Zh., Moscow 32 5 1953 : 1027-1028 [In Russian].

1666.—Senk, R. Mauerläufer (*Tichodroma muraria*) am mittleren Neckar. Orn. Mitt. 5 1953 : 131.

1667.—Serle, W. On the nesting of *Calamornis r. rufescens* (Sharpe & Bouvier). Oolog. Rec. 27 1953 : 12-13.

1668.—Sermet, E. La Grande Aigrette près d' Yverdon. Nos Oiseaux 22 1953 : 72.

1669.—Serventz, D. L. Some speciation problems in Australian birds. Emu 53 1953 : 131-145.

1670.—Serventz, D. L. The southern invasion of northern birds during 1952. W. Aust. Nat. 3 8 1953 : 177-196 2 figs.

Serventz, D. L. see Fleming.

1671.—Seth-Smith, D. Obituaries : The Duke of Bedford. Avicult. Mag. 59 1953 : 189-190 pl.

1672.—Seurat, G. Faune du Maroc meridional et du Sud Oranais. Bull. Soc. Sci. nat. Maroc 23 1943 : 141-150.

1673.—Shanks, D. Random notes from South-Western Victoria. Emu 53 1953 : 276-279.

1674.—Shanks, R. Blackbird behaviour. Notornis 5 1953 : 202.

1675.—[Shaposhnikov, L. K. Proposed classification of Charadriidae based on composition of food]. C.R. Acad. Sci. U.R.S.S. N.S. 84 6 1952 : 1257-1260 [In Russian].

1676.—[Shaposhnikov, L. K. Structure of brain in birds in connection with the function of seeking food]. C.R. Acad. Sci. URSS. N.S. 91 3 1953 : 679-682 fig. [In Russian].

1677.—[Shaposhnikov, L. K. Method of feeding in young birds and its taxonomic importance]. C.R. Acad. Sci. URSS. N.S. 89 5 1953 : 961-964 fig. [In Russian].

1678.—Sharland, R. E. Birds of the Benue River. Niger. Fld. 18 2 1953 : 67-70.

1679.—Shaub, B. M. A device for removing overlapped bands from birds' legs. Bird-Banding 24 1953 : 12-14 fig.

1680.—Shaub, B. M. and M. S. Adult and young Evening Grosbeaks at Saranac Lake, New York : summer of 1952. Bird-Banding 24 1953 : 135-141.

1681.—Shepperd, J. Probable polygamy among Robins and a nest used for two successive broods. Brit. Birds 46 1953 : 68.

1682.—Sheppard, R. W. The Black Tern as an insect-eater. Canad. Fld. Nat. 66 5 1952 : 129.

1683.—[Shestakova, G. S. Analyses of the differences in structure of the surface of wings in Gulls]. Zool. Zh. Moscow 32 4 1953 pp. 672-676 6 figs. [In Russian].

1684.—[Shilova-Krassova, S. A. Activity of insectivorous birds in the places of mass occurrence of insects harmful to forests.] Zool. Zh. Moscow **32** 5 1953 : 955–963 [In Russian].

1685.—[Shmerling, Zh. G. and Ravikovitch, H. M. Contents of nucleic acid in the yolk of hen's egg]. C.R. Acad. Sci. URSS. N.S. **93** 5 1953 : 883–886 2 figs. [In Russian].

1686.—[Shlegman, B. K. Flight adaptations in Rallidae]. Zool. Zh. Moscow **31** 5 1952 : 714–721 5 figs. [In Russian].

1687.—[Shlegman, B. K. Nature of flight in the species of *Perdix*]. Zool. Zh., Moscow **32** 4 1953 : 677–683 3 figs. [In Russian].

1688.—Shultz, F. T. Concurrent inbreeding and selection in the domestic fowl. Heredity **7** 1 1953 : 1–21 6 figs.

1688a.—Sibley, C. G. Forster Terns breeding on San Francisco Bay, California. Condor **55** 1953 : 278–279.

1689.—Sibson, R. B. Terek Sandpiper in N.Z. in winter. Notornis **5** 1953 : 106.

1690.—Sibson, R. B. A visit to Cavalli Islands. Notornis **5** 1953 : 110–114 fig.

1691.—Sibson, R. B. Further notes on *Charadrius leschenaulti*. Notornis **5** 1953 : 179–181.

1692.—No record.

1693.—Sick, H. Zur Kenntnis der brasilianischen Lerchenkuckucke *Tapera* und *Dromococcyx*. Bonn. zool. Beitr. **4** 1953 : 305–326 7 figs.

1694.—Sick, H. Anotações sobre cucos Brasileiros (Cuculidae, Aves). Rev. bras. Biol. **13** 2 1953 : 145–168 6 figs.

1695.—Sick, H. The voice of the Grand Potoo. Wilson Bull. **65** 1953 : 203.

1696.—Simms, E. Some aspects of bird vocabulary in relation to field recordings. Bull. Brit. orn. Cl. **73** 1953 : 27–28.

1697.—Simms, E. Yellow-billed Cuckoo in Sussex. Brit. Birds **46** 1953 : 218.

1698.—Simms, E. and Wade, G. F. Recent advances in the recording of bird-songs. Brit. Birds **46** 1953 : 200–210 3 pls.

1699.—Simmons, K. E. L. Some studies of the Little Ringed Plover. Avicult. Mag. **59** 1953 : 191–207 pl. figs.

1700.—Simmons, K. E. L. The nature of the predator reactions of breeding birds. Behaviour **4** 1952 : 161–171 2 pls. 3 figs.

1701.—Simmons, K. E. L. Some aspects of the aggressive behaviour of three closely related plovers (*Charadrius*). Ibis **95** 1953 : 115–127.

1702.—Simmons, K. E. L. and Crowe, R. W. Displacement-sleeping in the Avocet and Oystercatcher as a reaction to predators. Brit. Birds **46** 1953 : 405–409 fig.

Simms, E. see Holme.

1703.—Sims, R. W. On the status of *Cyanoramphus magnirostris* Forbes and Robinson. Bull. Liverpool Mus. **1**, p. 21, 1897 : Tahiti, Society Islands. Bull. Brit. Orn. Cl. **73** 1953 : 104.

1704.—Siroetehkovski, E. E. Harm caused by *Garrulus glandarius krynicki* in orchard and gardens of Western Caucasus]. Bull. Soc. Nat. Moscow **58** 1 1953 : 13–16 fig. [In Russian].

1705.—Skead, C. J. A study of the Spectacled Weaver (*Ploceus ocularis* Smith). Ostrich **24** 1953 : 103–110.

1706.—Skead, C. J. A study of the Black Sunbird. Ostrich **24** 1953 : 159–166.

1707.—Skead, S. J. Hamerkop stomach contents. Ostrich **24** 1953 : 185.

1708.—Skiba, R. Ornithologische Beobachtungen auf dem Memmert. Beitr. Naturh. Niedersachs. **6** 4 1953 : 104–117.

1709.—Skutch, A. F. How the male bird discovers the nestlings. Anim. Kingd. **56** 1953 : 84–89 2 figs.

1710.—Skutch, A. F. The elusive Massena Trogon. Anim. Kingd. **56** 1953 : 167–172 6 figs.

1711.—Skutch, A. F. Life history of the Southern House Wren. Condor **55** 1953 : 121–149.

- 1712.—Skutch, A. F.** How the male bird discovers the nestlings. *Ibis* **95** 1953 : 1-37, 505-542.
- 1713.—Skutch, A. F.** The White-throated Magpie-Jay. *Wilson Bull.* **65** 1953 : 68-74.
- 1714.—Sláby, O.** Le développement du chondrocrâne du cormorant (*Phalacrocorax carbo* L.) au point de vue de l'évolution. *Bull. int. Acad. Prague* **52** 1953 : 105-151 17 figs.
- 1715.—Sladden, B.** Black-fronted Tern in Bay of Plenty. *Notornis* **5** 1953 : 118-120 fig.
- 1716.—Sladen, W. J. L.** The Adelie penguin. *Nature, Lond.* **171** 4361 1953 : 952-955 6 figs.
- 1717.—Smith, J. M.** Birds as aeroplanes. *New Biol. No.* 14 1953 : 64-81 3 figs.
- 1718.—Smith, K. D.** Off-season sea-bird distribution on the Eritrean coast, Red Sea. *Locustella luscinioides* in Eritrea. *Ibis* **95** 1953 : 696-699.
- 1719.—Smith, L. H.** The Lyrebirds of Sherbrooke, Melbourne (Georgian House) 1951 Pp. xii + 54 many photos.
- 1720.—Smith, R. D. Jr.** Nesting of Horned Lark in the Mid-South. *Migrant, Tennessee* **24** 1953 : 26-27.
- Smith, R. H.** *see* Leopold.
- 1721.—Smith, W.** A sketch of Alexander Wilson. *Audubon Mag.* **55** 1953 : 65-67 figs.
- 1722.—Smithe, G.** Index for the Michigan Audubon Society Quarterly Newsletter (1923-1926) and The Jack-Pine Warbler (1926-1938). *Jack-Pine Warbler* **31** 1953 : 121-128.
- 1723.—Smolly, E.** The avifauna of the different biotops in Israel. *Bull. indep. biol. Labs Palest.* **9** 4 1953 : 1-8 4 figs.
- 1724.—Smyth, T. Jr.** Black Vulture nesting in Baltimore County. *Maryland Nat.* **22** 1-2 1952 : 18-19 1 fig.
- Snellman, see** Edelstam.
- 1725.—Snow, D. W.** Two pairs of Bullfinches nesting together in the same bush. *Brit. Birds* **46** 1953 : 379.
- 1726.—Snow, D. W.** Visible migration in the British Isles : a review. *Ibis* **95** 1953 : 242-270 4 figs.
- 1727.—Snow, D. W.** The migration of the Greenland Wheatear. *Ibis* **95** 1953 : 376-378 2 figs.
- 1728.—Snyder, D. E.** A great flight of Dovekies (*Plautus alle*). *Auk* **70** 1953 : 87.
- 1729.—Snyder, L. L.** An apparently hybrid Golden-eye. *Wilson Bull.* **65** 1953 : 199.
- 1730.—Snyder, L. L.** On eastern Empidonaces with particular reference to variation in *E. traillii*. *Contr. R. Ont. Mus. Zool. Palason* : 35 1953 : 1-26 4 figs.
- 1731.—Snyder, L. L. and Lapworth, E. D.** A comparative study of adults of two Canadian races of Redwings. *Canad. Fld. Nat.* **67** 1953 : 143-147 2 figs.
- 1732.—Sody, H. J. V.** *Haliaeetus leucogaster*, de grote of tweekleurige Zeearend. *Limosa* **26** 1953 : 30-31 pl.
- 1733.—Sokolowski, J.** Characteristic birds of the Sudeten Mountains [in Polish with English summary]. *Phys. Res. West. Poland No.* 1 1948 : 190-204.
- Sommer, H.** *see* Kauth.
- 1734.—Sommerfield, E.** Brutplatz des Kolk raben (*Corvus c. corax* L.) im Isartal. *Anz. Orn. Ges. Bay.* **4** 2 1953 : 77-78.
- 1735.—Sovinen, M.** Sinipyrstö, *Tarsiger cyanurus* (Pall.), leviää maa-hamme. *Luonnen Tutk.* **56** 3 1952 : 85-89 2 figs. 2 maps.
- 1736.—Spaepen, J.** De trek van de Boompieper in Europe en Afrika. *Gerfaut* **43** 1953 : 178-230 figs.
- 1737.—Spaepen, J. and Dachy, P.** Het orientatieprobleem bij de trekvogels. III. Verdere homingproeven met Gierzwaluwen (*Apus apus*). *Gerfaut* **43** 1953 : 327-332 pl.
- 1738.—Sparkes, V.** Minnesota nesting season—1952. *Flicker* **25** 1953 : 10-23.
- 1739.—Speirs, J. M.** Winter distribution of Robins east of the Rocky Mountains. *Wilson Bull.* **65** 1953 : 175-183 fig.
- 1740.—Spencer, K. G.** Observations on Song-Thrushes. *Naturalist No.* 847 1953 : 153-154.

1741.—Spencer, K. G. The Lapping in Britain. Some account of its distribution and behaviour, and of its role in dialect, folk-lore, and literature. London & Hull (A. Brown & Sons Ltd.) 1953. Pp. xii + 166 2 figs. 12 pls.

1742.—Speyer, W. and Bockmann, H. Kleiner Beitrag zur Nahrungswahl der Saatkrähen. Orn. Mitt. 5 1953 : 1-2.

1743.—Spittel, R. L. The devil bird. Loris 6 1953 : 90-96 2 figs.

1744.—Sprawson, E. Hooded cock and many-colour hen [Parakeet] hybrids. Avicult. Mag. 59 1953 : 102-104.

1745.—Sprunt, A. Jr. Newcomer from the old world. Audubon Mag. 55 1953 : 178-181 figs.

1746.—Squires, W. A. The birds of New Brunswick. St. John, N.B. (New Brunswick Museum) 1952 Pp. ii + 164 6 pls. map.

1747.—Stadler, H. Die Vögel der Kalkheiden und Felsabstürze von Gambach bis Würzburg. Anz. Orn. Ges. Bay. 4 2 1953 : 56-60.

1748.—Stadler, H. Das Lied des Mittelspechts. Anz. Orn. Ges. Bay. 4 2 1953 : 61-62.

1749.—Stadler, H. Die Stimmen der Raubvögel. Orn. Mitt. 5 1953 : 152.

1750.—Stadler, H. Die Stimmen der Bartmeise (*Panurus biarmicus*). Orn. Mitt. 5 1953 : 231.

1751.—Straeheli, C. Steinrötel im Glarnerland. Orn. Beob. 50 1953 : 131.

1752.—Stahlbaum, G. Die Balzspiele des Diamanttäubchens, *Geopelia cuneata* (Lath.). Zool. Gart. Lpz. (N.F.) 20 1953 : 50.

1753.—Stanford, J. K. Some impressions of spring migration in Cyrenaica March-May 1952. Ibis 95 1953 : 316-328 fig.

1754.—Stanford, W. P. Winter distribution of the Grey Phalarope *Phalaropus fulicarius*. Ibis 95 1953 : 483-492.

1755.—Stanford, J. K. Breeding of Hoopoe in Wiltshire in 1948 and 1950. Wiltsh. archaeol. nat. Hist. Mag. 55 198 1953 : 59.

1756.—Stanford, W. P. Some sea birds in winter off the S.W. Cape. Ostrich 24 1953 : 17-26 fig.

1757.—Stanford, W. P. Bird protection in the Cape. Bokmakierie 5 1953 : 39-40.

Stanford, W. P. see Broekhuysen.

1758.—Steffen, J. Moineaux domestiques et Chardonneret. Aggressivité d'une Chouette hulotte. Nos Oiseaux 22 1953 : 73-74.

1759.—Steffen, J. Bataille entre Martins-pêcheurs. Nos Oiseaux 22 1953 : 97-98.

1760.—Steffen, J. Sur la présence hivernale de la Poule d'eau *Gallinula chloropus* à Genève. Nos Oiseaux 22 1953 : 136-137 fig.

1761.—Stein, H. Berichtigung zu meiner Arbeit "Untersuchungen über den Zeitsuin bei Vögeln." Z. vergl. Physiol. 34 6 1953 : 655-656.

1762.—Stein, P. A. S. Brown Booby in the Hauraki Gulf. Notornis 5 1953 : 165.

Stein, R. C. see Kellogg.

1763.—Steinbacher, G. Kreuzotter als Beute des Bussards. Orn. Mitt. 5 1953 : 5.

1764.—Steinbacher, G. Der Legeakt bei der Stockente. Ist die Zahl der Bruten von der Witterung abhängig? Orn. Mitt. 5 1953 : 7-8.

1765.—Steinbacher, G. Die Stimme von Türkentauben-Bastarden. Orn. Mitt. 5 1953 : 114.

1766.—Steinbacher, J. Vogelleben und Vogelzug im Frühling auf Sardinien. J. Orn. 94 1953 : 304-314.

1767.—Steinbacher, J. Tod durch Verknotung der Füße bei Meisen. Natur u. Volk 83 1953 : 169.

1768.—Steinbacher, J. von. Grundsätzliches über das Seelenleben der Vögel. Hippokrates Stuttgart 46 1195-1199 1939 : 1-4.

Steinbacher, J. see Jordans.

1769.—Steiniger, F. Heringsmöwen als seltene Brutvögel in Deutschland. Natur u. Volk 82 12 1952 : 399-404 5 figs.

1770.—Steiniger, F. Strafbarer Abschuss eines Wald-Kauzes (*Strix aluco*). Orn. Mitt. 5 1953 : 12.

- 1771.—Stenger, P. B. M.** Der Kuckuck. Nachr. naturw. Mus. Schapapub. No. 41 1953 : 25-65.
- 1772.—Stephan, F.** Contribution expérimentale à l'étude du développement du système circulatoire chez l'embryon de poulet. Année biol. (3) 29 1-2 1953 : 53-57.
- 1773.—Stevenson, J. O.** Bird notes from the Texas coast. Wilson Bull. 65 1953 : 42-43.
- 1774.—Stewart, P. A. and Mackey, J. P.** A pair of Mourning Doves occupies same nest two successive years. Bird-Banding 24 1953 : 16.
- 1775.—Stewart, R. E.** A life-history study of the Yellow-throat. Wilson Bull. 65 1952 : 99-115.
- 1776.—Stidolph, R. H. D.** New Wader for New Zealand list—Least Sandpiper. Notornis 5 1953 : 115.
- 1777.—Stidolph, R. H. D.** Green-shank in New Zealand. Notornis 5 1953 : 123.
- 1778.—Stoker, M. E. P. and Miles, J. A. R.** Studies on the causative agent of an epizootic amongst Manx Shearwaters (*Puffinus puffinus puffinus*). J. Hyg. Camb. 51 2 1953 : 195-202 1 pl.
- 1779.—Stokoe, R.** Siddick pond and its birds. Trans. Carlisle nat. Hist. Soc. 8 1954 : 33-74 1 pl.
- 1780.—Stokes, A. F.** Stilts nesting at Ardmore, 1952-53. Notornis 5 1953 : 200.
- 1781.—Stonehouse, B.** The Emperor Penguin *Aptenodytes forsteri* Gray. I. Breeding behaviour and development. Sci. Rep. Falkland Is. Surv. No. 6 1953 : 1-33 4 pls. 7 figs.
- 1782.—Stoner, E. A.** Shrike visits banding trap. Bird-Banding 24 1953 : 67.
- 1783.—Storer, R. W.** Variation in the Painted Bunting *Passerina ciris*, with special reference to wintering populations. Occ. Pap. Mus. Zool. Univ. Mich. No. 532 1951 : 1-12.
- 1784.—Storer, R. W.** A comparison of variation, behaviour and evolution in the sea bird genera *Uria* and *Cephus*. Univ. Calif. Publ. Zool. 52 1952 : 121-222 2 pls. 19 figs.
- 1785.—Storr, G.** On the distribution of some South Australian birds. S. Aust. Orn. 20 1952 : 92.
- 1786.—Storr, G. M.** Birds of the Cooktown and Laura Districts, North Queensland. Emu 53 1953 : 225-248.
- 1787.—Strahm, J.** Quelques oiseaux nicheurs peu connus du canton de Fribourg. Nos Oiseaux 22 1953 : 3-5.
- 1788.—Strahm, J.** Notes sur le passage d'automne dans les Alpes. Nos Oiseaux 22 1953 : 90-91.
- 1789.—Strahm, J.** L'hivernage des Mouettes à Fribourg. Nos Oiseaux 22 1953 : 117-125 figs.
- 1790.—Strahm, J.** Über Standort und Anlage des Nestes bei Felsenschwalben. Orn. Beob. 50 1953 : 41-48 6 figs.
- 1791.—Straw, R. M.** Additional notes on Korean birds. Condor 55 1953 : 153.
- 1792.—Stresemann, E.** On a collection of birds from Georgia and Carolina made about 1810 by John Abbot. Auk 70 1953 : 113-117.
- 1793.—Stresemann, E.** Birds collected by Capt. Dugald Carmichael on Tristan da Cunha 1816-1817. Ibis 95 1953 : 146-147.
- 1794.—Stresemann, E.** On a collection of birds made in Cyprus in 1820. Ibis 95 1953 : 549-550.
- 1795.—Stresemann, E.** Weiteres Vordringen der Türkentaube. III. J. Orn. 94 1953 : 351.
- 1796.—Stresemann, E.** Zur Vogelwelt des Harzes. Beitr. Naturh. Niedersachs. 6 3 1953 : 80-81.
- 1797.—Stresemann, E.** Vögel, gesammelt von habillardiére während der "Voyage à la Recherche de Lapérouse" (1791-1794). Mitt. zool. Mus. Berl. 29 1953 : 75-106.
- 1798.—Stresemann, E.** Laube und Balz der Laubenvögel (Ptilonorhynchidae). Vogelwarte 16 1953 : 148-154.
- 1799.—Stresemann, E.** Analyse von C. J. Temmincks "Catalogue Systematique" (1807). Zool. Meded. 31 1953 : 319-331.

Stresemann, E. *see* Thomsen.

1800.—Stresemann, E. and Schüz, E. Ludwig Schuster. *J. Orn.* **94** 1953 : 3-5 portrait.

1801.—Stresemann, E. and Thomsen, P. Ornithologen-Briefe aus den Jahren 1816 bis 1820 gewechselt zwischen J. F. Naumann und C. J. Temminck. *Centaurus* **2** 2-3 1952 : 97-139.

1802.—Stricker, W. and Ryser, R. Die Flusseeschwalben-Kolonien bei Alteurhein und am Fanel im Jahre 1952. *Orn. Beob.* **50** 1953 : 20-25 2 figs.

1803.—Strömberg, G. First breeding record of the Indian Ring-Dove (*Streptopelia decaocto*) in Sweden [Summary]. *Vår Fågelv.* **11** 1952 : 178.

1804.—[Studitski, A. N.] Formation of muscles after grafting crushed muscular tissue]. *C.R. Acad. Sci. URSS, N.S.* **84** 2 1952 : 389-392 2 figs. [In Russian].

1805.—Stupka, A. Some notes relating to the mortality of Screech Owls in the Great Smoky Mountains National Park. *Migrant, Tennessee* **24** 1 1953 : 1-3.

1806.—Stutinsky, F. La neuro-sécrétion chez les vertébrés [Oiseaux p. 493]. *Année biol.* (3) **29** 11-12 1953 : 487-516.

1807.—[Sudilovskaya, A. M.] On distribution of the sparrow]. *Bull. Soc. Nat. Moscow* **57** (5) 1952 : 33-37 map. [In Russian].

1808.—Summers, D. D. B. Pied Wagtail feeding on fish-fry. *Brit. Birds* **46** 1953 : 69.

1809.—Suter, H. Ein Entenbastard bei Aarau. *Orn. Beob.* **50** 1953 : 9-12 figs.

1810.—Suter, H. Ein Schwarzschorch bei Klingnau. *Orn. Beob.* **50** 1953 : 145.

1811.—Sutter, E. Ein Schwarzschnabel-Sturmtaucher in der Ajoie. *Orn. Beob.* **50** 1953 : 148.

1812.—Sutter, E. and Amann, F. Wie weit fliegen vorratsammelnde Tannenhäher ? *Orn. Beob.* **50** 1953 : 89-90.

1813.—Sutton, G. M. Terns recorded on Lake Takoma, Oklahoma, in summer of 1951. *Auk* **70** 1953 : 205.

1814.—Sutton, G. M. The Brown-crested Flycatcher in the Florida Keys. *Condor* **55** 1953 : 274.

1815.—Sutton, G. M. Gray Hawk. *Wilson Bull.* **65** 1 1953 : 5-7 col. pl.

1816.—Sutton, G. M. Bronzed Woodpecker. *Wilson Bull.* **65** 1953 : 65-67 col. pl.

1817.—Sutton, R. W. A Hooded Warbler from Churchill, Manitoba. *Canad. fld. Nat.* **66** 6 1952 : 174.

1818.—Svärdson, G. Visible migration within Fenno-Scandia. *Ibis* **95** 1953 : 181-211.

1819.—Svärdson, G. (Ottenby Bird Station Report No. 13). *Vår Fågelv.* **11** 1952 : 153-176.

1820.—Svenson, S. Some winter records of the Song-Thrush in Scania. [Summary]. *Vår Fågelv.* **12** 1953 : 196.

1821.—Swanberg, P. O. Studies of some species rarely photographed. LIII. Tawny Pipit. *Brit. Birds* **46** 1953 : 439 4 pls.

1822.—Swanberg, P. O. Observations on feeding, brooding and bathing habits in a pair of Kingfishers. [Summary]. *Vår Fågelv.* **11** 1952 : 65 figs.

1823.—Swanberg, P. O. Orn nordsångaren (*Phylloscopus borealis* Blas.) [English summary p. 76]. *Vår Fågelv.* **12** 1953 : 49-78 11 figs.

1824.—Swanberg, P. O. Nest-building activity with Green Sandpiper [Summary]. *Vår Fågelv.* **12** 1953 : 196 fig.

1825.—Swanberg, P. O. and McNeile, J. H. Studies of some species rarely photographed. LI. Arctic Warbler. *Brit. Birds* **46** 1953 : 330 8 pls.

1826.—Sykes, A. H. Premature oviposition in the hen. *Nature, Lond.* **172** 4389 1953 : 1098-1099.

1827.—Szczepski, J. B. and M. W. Compte rendu de l'activité de la Station Ornithologique pour l'année 1949. *Acta Orn. Warsz.* **46** 1953 : 273-310.

Taapken, J. *see* Junge.

Taapken, J. *see* Kate.

1828.—Taibel, A. M. Osservazioni sulla riproduzione e allevamento in cattività di *Penelope supercilialis* Temminck e *Ortalis garrula* (Humboldt). Riv. ital. Orn. **23** 1953 : 85-122.

1829.—Taibel, A. M. *Streptopelia risoria*, *S. decaocto*, *S. douraca*, *S. roseogrisea*. Chiarificazioni sulla nomenclatura e sulla sistematica. Boll. Zool. **18** 1951 : 375-382.

Tait, I. C. *see* Holliday.

1830.—Takashima, H. Guidae of Japan and its adjacent territories. Tori **13** 60 1950 : 5-9.

1831.—Takashima, H. Miscellaneous notes on the penguins. III. Misc. Rep. Yamashina Inst. Orn. Zool. No. 1 1952 : 33-35 figs.

1832.—Talmadge, R. R. Rufous Hummingbird nesting in California. Condor **55** 1953 : 155.

1833.—Talmadge, R. R. Range extensions in northern California. Condor **55** 1953 : 315.

1834.—Tåning, A. V. Olieförurening af havet og massedøx af fugle. Nat. Verd., Kbh. **35** 1951 : 34-43 3 figs.

1835.—Tanner, J. T. The effect of temperature and day-length on the egg-laying date of Juncos in the Great Smoky Mountains. J. Tenn. Acad. Sci. **28** 3 1953 : 189.

1836.—Tantzen, R. Mellum 1951. Orn. Mitt. **5** 1953 : 50-52.

1837.—Tashian, R. E. The birds of Southeastern Guatemala. Condor **55** 1953 : 198-210 fig.

1838.—Tashiro, M. *Uria lomvia arra* (Pallas) obtained in Manazuru Promontory, Kanagawa Pref. Tori **13** 62 1953 : 49-50.

1839.—Tautenhahn, W. Sperbergrasmücke, *Sylvia nisoria* (Bechstein), im Kreis Gifhorn. Orn. Mitt. **5** 1953 : 132.

1840.—Taylor, E. W. (Chairman). Yorkshire Naturalists' Union (Vertebrate Section) Ornithological Division. Naturalist No. 845 1953 : 70-93.

1841.—Taylor, J. A possible moult-migration of Pink-footed Geese. Ibis **95** 1953 : 638-642 fig.

1842.—Taylor, J. S. Waterfowl and waders at Fort Beaufort, C.P. (Part VII). Ostrich **24** 1953 : 111-114.

1843.—Taylor, R. G. Starlings in Jamaica. Ibis **95** 1953 : 700.

1844.—Taylor, R. J. F. An abnormal breeding season in north Iceland in 1952. Ibis **95** 1953 : 694-696.

1845.—Taylor, R. J. F. Notes on the birds of Finnmark. Sterna No. 10 1953 : 1-36 text illust.

1846.—Taylor, W. P. Notes on the Rio Grande Wild Turkey in Central Texas. Proc. Okla. Acad. Sci. **30** 1951 : 110-114.

1847.—Taylor, W. R. and others. Rep. Somerset Birds 1952.

1848.—Temperley, G. W. Ornithological report for Northumberland and Durham for 1952. Trans. nat. Hist. Soc. Northumb. N.S. **10** 3 1953 : 101-152.

1849.—[Tereza, S. I.] Renewal of the follicular epithelium and amitosis of the shield-gland in chickens. C.R. Acad. Sci. URSS. N.S. **93** 3 1953 : 543-546 4 figs. [In Russian].

1850.—Terrill, L. Mcl. The Clay-colored Sparrow in Southeastern Ontario. Canad. Fld. Nat. **66** 5 1952 : 145-147.

1851.—Terry, H. A. Observations sur quelques sternes de l'étang de Canet (Pyrénées-Orientales). Vie et Milieu **3** 4 1952 : 451-457.

1852.—Thalenhorst, W. Nahrungssuche einer Haubenmeise (*Parus cristatus*) im Winter. Orn. Mitt. **5** 1953 : 98.

1853.—Thatcher, V. E. The Cowbird in western Oregon. Condor **55** 1953 : 318.

1854.—Thearle, R. F., Hobbs, J. T. and Fisher, J. The birds of the St. Tudwal Islands. Brit. Birds **46** 1953 : 182-188 fig.

1855.—Theil, H. Türkentaube (*Streptopelia decaocto*) auf Fehmarn. Orn. Mitt. **5** 1953 : 212.

1856.—Thein, R. Eine melanistische Bachstelze (*Motacilla alba*) : 8. Blauracke (*Coracias garrulus*) auf Amrum ! : 12. Orn. Mitt. **5** 1953.

1857.—Thein, R. Beobachtungen auf Amrum im Sommer 1952. *Orn. Mitt.* **5** 1953 : 151.

1858.—Themido, A. A. Aves de Portugal. *Mem. Mus. Zool. Univ. Coimbra* **213** 1952 : 1-241 325 figs.

1859.—Theune Laws, J. Notas sobre temperatura de algunas aves Chilenas. *Rev. chil. Hist. nat.* **48** 1945 : 119-121.

Thomsen, P. *see* Stresemann.

1860.—Thomsen, P. and Stresemann, E. Briefe, gewechselt in den Jahren 1818 bis 1820 Zwischen Heinrich Boie und Johann Friedrich Naumann. *J. Orn.* **94** 1953 : 7-30.

1861.—Thomson, A. L. The migrations of British Auks (Alcidae) as shown by the results of marking. *Brit. Birds* **46** 1953 : 3-15.

1862.—Thomson, A. L. The migrations of British Warblers (Sylviidae) as shown by the results of ringing. *Brit. Birds* **46** 1953 : 441-450.

1863.—Thomson, A. L. and Leach, E. P. Report on bird-ringing for 1952. *Brit. Birds* **46** 1953 : 287-303, 313-330.

1864.—Thomson, A. L. The study of the visible migration of birds : an introductory review. *Ibis* **95** 1953 : 165-180.

1865.—Thompson, J. E. The water-repellency of feathers. *Aust. J. Sci.* **16** 1953 : 65-66 1 fig.

1866.—Thompson, W. L. The ecological distribution of the birds of the Black Gap area, Brewster County, Texas. *Texas J. Sci.* **5** 2 1953 : 158-177 4 figs.

1867.—Thönen, W. Zur Brutablösung bei der Flusseeeschwalbe. *Orn. Beob.* **50** 1953 : 50.

1868.—Thorburg, F. Another hibernating Poor-will. *Condor* **55** 1953 : 274.

1869.—Thornburgh, M. M. Painted Redstart near San Diego, California. *Condor* **55** 1953 : 318.

1870.—Throckmorton, M. Sight record of Yellow-shafted Flicker in Southern Idaho. *Murrelet* **34** 1953 : 48.

1871.—Tily, I. Stoat and Stilts. *Notornis* **5** 1953 : 143.

1872.—Timmermann, G. Die Mallophagen als Hilfsmittel der ornithologischen Verwandtschaftsforschung und die Frage ihrer sekundären Ansiedlung auf Fremdwirten. *J. Orn.* **94** 1953 : 252-262.

Tinbergen, L. *see* Kluyver.

1873.—Tinbergen, N. Social behaviour in animals, with special reference to vertebrates. London (Methuen & Co.) 1953 Pp. XI + 150 8 pls. 67 figs.

1874.—Tinbergen, N. The Herring Gull's world. A study of the social behaviour of birds. London (Collins) 1953 Pp. xvi + 255 frontis. 30 pls. 58 figs.

1875.—Tinbergen, N. Terug naar de Farnes. *Levende Nat.* **56** 1953 : 121-128 9 figs.

1876.—Tinbergen, N. Eider-eenden. *Levende Nat.* **56** 1953 : 141-146 5 figs.

1877.—Tinbergen, N. Met weinig tevereden. *Levende Nat.* **56** 1953 : 201-207 4 figs.

1878.—Tinbergen, N. Fighting and threat in animals. *New Biol. No.* **14** 1953 : 9-24 2 pls.

1879.—Tinbergen, N. Childhood of birds. *Zoo Life* **7** 1952 : 121-124 and 146 4 figs.

1880.—Tinbergen, N. [and others]. Carrion Crow [behaviour notes]. *Brit. Birds* **46** 1953 : 377-378.

1881.—Tindale, N. B. Cassowary-horn native ornament from Arnhem Land. *S. Aust. Orn.* **21** 1953 : 11.

1881.—[Titaeva, N. N. and Polivanov, V. M.] The method of food investigation of the small insectivorous birds in nesting period]. *Bull. Soc. Nat. Moscow* **58** (2) 1953 : 35-38. [In Russian].

1882.—Todd, W. E. C. New Tyrant Flycatchers from South America. *Ann. Carneg. Mus.* **32** 5 1952 : 291-304.

1883.—Todd, W. E. C. Further taxonomic notes on the White-crowned Sparrow. *Auk* **70** 1953 : 370 pl.

1884.—Todd, W. E. C. A taxonomic study of the American Dunlin (*Erolia alpina* subsp.). J. Wash. Acad. Sci. **43** 3 1953 : 85–88.

1885.—Tordoff, H. B. Irazu Junco—a primitive member of the genus. Wilson Bull. **65** 1953 : 51.

1886.—Tordoff, H. B. Groove-billed Ani in Great Plains in 1952. Wilson Bull. **65** 1953 : 202–203.

1887.—Tornielli, A. Considerevole movimento di rondini nell'autunno 1952. Riv. ital. Orn. **23** 1953 : 69.

1888.—Toschi, A. Effetti di polluzioni oleose. Cattura di un Gufo degli Urali. Riv. ital. Orn. **23** 1953 : 129–131 figs.

1890.—Toschi, A. Variazioni quantitative in popolazioni di uccelli di un area tropicale. Ric. Zool. appl. Caccia, Suppl. **2** 1952 : 181–235 3 figs.

1891.—Toschi, A. Osservazioni ornitologiche nell'Isola di Giannutri. Ric. Zool. appl. Caccia **22** 1953 : 1–20 3 pls.

1892.—Toschi, A. Note sui vertebrati dell'Isola di Montecristo. Ric. Zool. appl. Caccia **23** 1953 : 1–52 4 pls.

1893.—Traber, H. Aufnahmen von Vogelstimmen und ihre Auswertung. Orn. Beob. **50** 1953 : 33–36 pl. figs.

1894.—Tratz, E. P. Meldungen über erbeutete "Ring-Vögel". Mitt. naturw. Arb. Gemensch. Haus nat. Zool. Abt. **2** 1952 : 60–66.

1895.—Tratz, P. Die Brutvögel des Gebietes von Franking und Holzöster. Ein Beitrag zur oberösterreichischen Vogelfauna. Jber. oberöst. Musealver. **98** 1953 : 235–239.

Traylor, M. A. Jr. see Rand.

1896.—Trelfa, G. Woodpigeon covering eggs. Brit. Birds **46** 1953 : 413.

1897.—[Trifonova, A. N. and Tikhomirov, B. M.] Physiological basis of various tissues in chickens with normal and subnormal viability]. C.R. Acad. Sci. URSS. N.S. **85** 5 1952 : 1185–1188. [In Russian].

1898.—Trimm, L. Red is an interesting color. Audubon Mag. **55** 1953 : 16–18 figs.

1899.—Trippensee, R. E. Wildlife Management. Vol. 2. Fur Bearers, Waterfowl and Fish. New York, Toronto and London. (McGraw-Hill Book Co., Inc.) 1953. Aves contained in Section 3 pp. 191–368 Pp. xii + 572 many illustrations.

1900.—[Tugarinov, A. T.] Ways of migration of birds as testimony of the passed landscapes and territorial connections]. Zool. Zh., Moscow **31** 5 1952 : 700–713. [In Russian].

1901.—Turbott, E. G. Notes on the occurrence of the Bellbird in North Auckland. Notornis **5** 1953 : 175–178.

1902.—Tutt, H. R. Notes on the nesting of a pair of Jays inside a hollow tree. Brit. Birds **46** 1953 : 98–99 2 pls.

1903.—Udagawa, T. Karyogram studies in birds II. The chromosomes of three species belonging to the Columbidae, Ardeidae and Alcidae. Annot. zool. jap. **26** 1953 : 28–31 5 figs.

1904.—Udagawa, T. The bird as a natural enemy of Crayfish. Oyo-Dobuts.-Zasshi **17** 1952 : 38–40.

1905.—Udagawa, T. Supplements to the Reports on the Avifauna of Japan. I & II. Tori **13** 62 1953 : 21–29.

1906.—Ulfstrand, S. Iakettagelser rörande nordsångaren (*Phylloscopus borealis*). Fauna o. flora **1953** 1–2 1953 : 25–27.

1908.—[Unterberger, V. K.] Endeavour of transporting hibernating birds in the places affected by the moth *Panolis flammea*. Zool. Zh., Moscow **32** 3 1953 : 550–552. [In Russian].

1909.—Urbain, A. and Dekeyser, P. L. A propos du Dindon ocellé. Terre et la Vie **100** 2 1953 : 63–70 1 pl.

1910.—Urbain, A., Nouvel, J., Bullier, P. and Riniard, J. Rapport sur la mortalité et la natalité enregistrées au Parc Zoologique du Bois de Vincennes pendant l'année 1952. Bull. Mus. Hist. nat., Paris (2) **25** 2 1953 : 111–126.

1911.—Ursch, E. Les Crabiers de Madagascar. Nat. Malgache **4** 1 1952 : 93–94.

1912.—Usher, G. A. Flora and fauna on Stewart Island, New Zealand. Oryx **2** 1953 : 181–186 1 map.

- 1913.**—No record.
- 1914.**—Vaiden, M. G. Notes on Bolivar County, Mississippi, birds. Migrant, Tennessee **24** 1953 : 8–10.
- 1915.**—Vaiden, M. G. Interesting Bolivar County, Mississippi, birds. Migrant, Tennessee **24** 1953 : 74–76.
- 1916.**—Valentini, A. C. Contributo alle osservazioni sulla migrazione primaverile delle Cutrettolae—*Budytes flavus* [subsp.]. Riv. ital. Orn. **23** 1953 : 34–36.
- 1917.**—Valentini, A. C. Frequenti apparizioni dello Zigolo della neve (*Plectrophenax nivalis* Linn.) sul litorale adriatico marchegiano. Riv. ital. Orn. **23** 1953 : 72.
- 1918.**—Valentini, C. Descrizione pratica delle abitudini, del volo e del canto della Pispola gola rossa, *Anthus cervinus* (Pallas). Riv. ital. Orn. **23** 1953 : 143–146.
- 1919.**—Välikangas, I. and Nordström, G. Die Vögelberingung in Finnland in den Jahren 1950 und 1951. Memor. Soc. Fauna Flor. fenn. **28** 1953 : 79–98.
- 1920.**—Valverde, J. A. Description du poussin d'*Ardeola ralloides*. Alauda **21** 1953 : 250–251 fig.
- 1920a.**—Valverde, J. A. Notes sur le Coucou-geai en Castille. Oiseau, Paris **23** 1953 : 288–296 figs.
- 1921.**—Valverde, J. A. Le guépier d'Europe dans le bassin du Duero (Espagne). Nos Oiseaux **22** 1953 : 7–10 fig.
- 1922.**—Valverde, J. A. Le Corbeau freux nicheur en Espagne. Nos Oiseaux **22** 1953 : 78–82 fig.
- 1923.**—[Valyus, M. I. Contribution to the knowledge of factors causing bird migrations]. C.R. Acad. Sci. URSS. N.S. **87** (6) : 1071–1073. [In Russian].
- 1924.**—Van Tyne, J. Bird notes from Barro Colorado Island, Canal Zone. Occ. Pap. Mus. Zool. Univ. Mich. No. 525 1950 : 1–12 4 pls.
- 1925.**—Van Tyne, J. Geographical variation in the Blue-throated Hummingbird (*Lampornis clemenciae*). Auk **70** 1953 : 207.
- 1926.**—Van Tyne, J. and Mayfield, H. Bird records from New Providence and Eleuthera Islands, Bahamas. Occ. Pap. Mus. Zool. Univ. Mich. No. 538 1952 : 1–4.
- 1927.**—Vaucher, C. Passage de printemps des Limicoles en Dombes. Nos Oiseaux **22** 1953 : 6–7.
- 1928.**—Vaughan, R. Alcune osservazioni su gli Uccelli del Massiccio della Maiella (Abruzzi). Riv. ital. Orn. **23** 1953 : 137–142 figs.
- 1929.**—Vaugien, L. Sur l'apparition de la maturité sexuelle des jeunes perruches ondulées males soumises à diverses conditions d'éclairement. Le développement testiculaire est plus rapide dans l'obscurité complète. Bull. biol. **87** 3 1953 : 274–286 3 pls. 1 fig.
- 1930.**—Vaugien, L. Sur l'activité testiculaire, la teinte du bec et la mue du moineau domestique soumis, en hiver, à l'éclairement artificiel continu. Bull. Soc. zool. Fr. **77** 1953 : 395–407 pl.
- 1931.**—Vaurie, C. Systematic notes on Palearctic birds. No. 1. A new swallow from the Northern Sahara. Amer. Mus. Novit. No. 1640 1953 : 1–2.
- 1932.**—Vaurie, C. Systematic notes on Palearctic birds. No. 2. Geographical variation in *Ficedula tricolor*. Amer. Mus. Novit. No. 1641 1953 : 1–8 1 fig.
- 1933.**—Vaurie, C. Systematic notes on Palearctic birds. No. 3. *Turdoides caudatus* and *Turdoides altiostriis*. Amer. Mus. Novit. No. 1642 1953 : 1–8 3 figs.
- 1934.**—Vaurie, C. A generic revision of fly-catchers of the tribe Muscipapini. Bull. Amer. Mus. nat. Hist. **100** 4 1953 : 453–638 figs.
- 1935.**—Vaurie, C. Observations and new records of birds from the Bihimis, northwestern Bahamas. Auk **70** 1953 : 38–48.
- 1936.**—Vaurie, C. Geographical variation in *Garrulax erythrocephalus* in Central and Western Himalayas with description of a new race from Nepal. Bull. Brit. orn. Cl. **73** 1953 : 77–79.
- 1937.**—Vaurie, C. Summer records and observations on the Island of Tiburón, Sonora, Mexico. Condor **55** 1953 : 217–218.

1938.—**Venables, L. S.** and **U. M.** Rooks breeding in Shetland. *Brit. Birds* **46** 1953 : 265.

Venables, S. V. *see* Henderson.

1939.—[**Vereshtchagin, N. K.** and **Gromov, I. M.** The history of vertebrates in the region of the lower Ural river]. *Trav. Inst. zool. Acad. Sci. U.R.S.S.* **9** 1952 : 1226–1269 15 figs. [In Russian].

1940.—[**Vereshtchagin, N. K.** Preserved remains of upper Pleistocene animals and plants at the settlement down Karmalka in the South of Tartar Republic]. *Zool. Zh.* **32** 5 1953 : 999–1013 2 figs. [In Russian].

1941.—**Verheyen, R.** Oiseaux. *Explor. Parc nat. Upemba. Miss. de Witte* No. 19 1953 : 1–687 5 pls. 45 figs.

1942.—**Verheyen, R.** Les migrants chantent-ils dans leurs quartiers d'hiver ? *Gerfaut* **43** 1953 : 52–63.

1943.—**Verheyen, R.** Nécrologie. *Ch. d. Dupond. Gerfaut* **43** 1953 : 97–102 portrait.

1944.—**Verheyen, R.** Etude statistique relative à la biologie de nos trois Grives indigènes. *Gerfaut* **43** 1953 : 231–261.

1945.—**Verheyen, R.** Resultats du baguage des oiseaux en Belgique-Exercice 1952. *Gerfaut* **43** 1953 : 340–361.

1946.—**Verheyen, R.** and **Grelle, G. le.** Verklaring der Ringuitslagen behaald op in-het-nest geringde Spreeuwen (*Sturnus vulgaris*) en Botvinken (*Fringilla coelebs*). *Gerfaut* **43** 1953 : 34–38.

1947.—**Verne, J., Boulière, F.** and **Deramond, M.** Sur la développement post-embryonnaire de la cortico-surrénale chez les oiseaux. *C.R. Soc. Biol., Paris* **146** 23–24 1952 : 1859–1860.

1948.—**Verner, J.** Birds of Laird Park, Latah County, Idaho. *Murrelet* **341** 953 : 6–8.

1949.—**Veysey, C. M.** [and others]. Some notes on Ham sewage farm and its bird life [and other notes]. *Mid-Thames Nat.* No. 5 [1953].

1950.—**Villegas, H. F.** El Señor Enrique Ernesto Gigoux. *Bol. Mus. nac. Hist. nat. Chile* **25** 1951 : 5–13 portr.

1951.—**Villiers, A.** Contribution à L'Etude de L'Air (Mission L. Chopard et A. Villiers). Oiseaux. *Mém. Inst. franç. Afr. noire.* No. 10 1950 : 345–385 2 pls.

Villiers, A. *see* Dekeyser.

1952.—**Vincent, J.** [and others]. Some unusual records [and other South African bird notes]. *Ostrich* **24** 1953 : 52–54.

Vintemberger, P. *see* Clavert.

1953.—**Vintemberger, P.** and **Clavert, J.** Sur les rapports existant, dans les oeufs d'oiseaux, entre l'orientation de l'embryon et le sens d'enroulement des chalazes. *C.R. Acad. Sci. Paris* **236** 18 1953 : 1823–1825.

1954.—[**Vladimirskaya, M. I.** and **Meghenni, A. A.** Birds of the lake Kiergaldzhin (northern Kazakhstan)]. *Trav. Inst. zool. Acad. Sci. URSS.* **9** 1951 : 1199–1225. [In Russian].

1955.—**Vlasblom, A. G.** The lower jaw of the parrots (Psittaciformes) in relation to the architecture of the skull. I. II. *Proc. Acad. Sci. Amst.* **56C** 4 1953 : 486–507 5 figs.

1956.—**Vleugel, D. A.** Über die wahrscheinliche Sonnen-Orientierung einiger Vogelarten auf dem Zuge. *Ornis fenn.* **30** 1953 : 41–51.

1957.—**Vleugel, D. A.** and **Wil-mink, G. F.** Steltkluterinvasies met broedgevallen in ons land. *Levende Nat.* **56** 6 1953 : 101–108 4 figs.

1958.—[**Voinstvenski, M. A.** and **Toropanova, T. A.** New systematics on the genus *Remiz* of U.S.S.R.]. *Bull. Soc. Nat. Moscow* **58** (3) 1953 : 44–50 2 figs. [In Russian].

1959.—**Voipio, P.** Subspecific boundaries and genodynamics of populations in mammals and birds. *Ann. zool. Soc. zool. bot. Vanamo* **15** No. 4 1952 : 1–32.

1960.—**Voipio, P.** Vielä kerran nominaattimuodon oiklasta suomenkielisestä vastineesta. *Luonnon Tutk.* **56** 4 1952 : 111–112.

1961.—Voipio, P. The hepaticus variety and the juvenile types of the Cuckoo. *Ornis fenn.* **30** 1953 : 97–117.

1962.—Voisin, J. C. Note sur le nidification en Côte d'Ivoire du Petit Calao à bec jaune (*Lophoceros semifasciatus*). *Oiseau*, Paris **23** 1953 : 148.

1963.—Voisin, J. C. Sur la présence de *Cinnyris minullus* en Côte-d'Ivoire. *Oiseau*, Paris **23** 1953 : 243.

Völker, H. *see* Driesen.

1964.—Völker, O. Die Isolierung von Lutein aus Vogelfedern und der Nachweis von Astaxanthin im Gefieder einiger Vögel. *Hoppe-Seyl. Z.* **288** 1 1951 : 20–24 1 pl.

1965.—Völker, O. Über das Vorkommen von Rhodoxanthin im Gefieder einiger Vögel. *Hoppe-Seyl. Z.* **290** 3–6 1952 : 223–227.

1966.—Völker, O. Das Farbleid der Flaumfusstauben (*Ptilinopodinae*). *J. Orn.* **94** 1953 : 263–273.

1967.—Vollmann, G. Saatkrähen (*Corvus frugilegus*) als Stadtvögel. *Orn. Mitt.* **5** 1953 : 207–208.

1968.—Vollbrecht, K. Seeddler (*Haliaeetus albicilla albicilla* (L.) bei Leiperd, Kr. Gifhorn. *Beitr. Naturh. Niedersachs.* **6** 1 1953 : 8–10.

1969.—Voous, K. H. The geographical variation of the Jay (*Garrulus glandarius*) in Europe : a study on individual and clinal variation. *Beaufortia* **2** No. 30 1953 : 1–41 16 figs.

Voous, K. H. *see* Bierman.

1970.—Voous, K. H. and Marle, J. G. van. The distributional history of the Nuthatch (*Sitta europaea* L.). *Ardea* **41** Extra No. 1953 : 1–68. 3 figs.

1971.—Vrijdagh, J. M. Comportement de quelques oiseaux eurasiens dans leur quartiers d'hiver au Congo Belge. *Gerfaut* **43** 1953 : 301–327.

Wackernagel, H. *see* Hoffmann.

Wade, G. F. *see* Simms.

1972.—Wakefield, N. A. Call of the Frogmouth. *Vict. Nat., Melb.* **69** 11 1953 : 144.

1973.—Walker, L. E. Occurrence of "Red-legged" Herons in N.Z. *Notornis* **5** 1953 : 116.

1974.—Walker, L. E. Bird observations at Aramoana. *Notornis* **5** 1953 : 126–128.

1975.—Walker, L. W. Heermann's Gulls. *Nat. Hist. N.Y.* **62** 4 1953 : 182–187 photos.

1976.—Walkinshaw, L. H. Nesting and abundance of the Cuban Sandhill Crane on the Isle of Pines. *Auk* **70** 1953 : 1–10 3 pls.

1977.—Walkinshaw, L. H. Notes on the Greater Sandhill Crane (*Grus canadensis tabida*). *Auk* **70** 1953 : 204.

1978.—Walkinshaw, L. H. Some bird observations on the Isle of Pines. *Pap. Mich. Acad. Sci.* **38** 1953 : 261–268 1 pl.

1979.—Walkinshaw, L. H. Life-history of the Prothonotary Warbler. *Wilson Bull.* **65** 1953 : 152–168 3 figs.

1980.—Walkinshaw, L. H. and Dyer, W. Nesting of the Black-throated Blue Warbler in Michigan. *Jack-Pine Warbler* **31** 1953 : 47–54 1 pl. 3 figs.

1981.—Wall, L. E. Some notes on migrant waders in Southern Tasmania. *Emu* **53** 1953 : 80–86.

1982.—Walling, J. J. Notice sur Jacques Delamain. *Alauda* **21** 1953 : 255–256.

1983.—Wallraff, H. G. Beobachtungen zur Brutbiologie des Stares (*Sturnus v. vulgaris* L.) in Nürnberg. *J. Orn.* **94** 1953 : 36–57.

1984.—Walters, J. The birds of the extension-plans of Amsterdam-West in 1952. *Limosa* **26** 1953 : 32–49.

1985.—Warner, J. G. Waders "coughing". *Brit. Birds* **46** 1953 : 453.

1986.—Watt, G. Ornithological report on the Farne Islands for 1952. *Trans. nat. Hist. Soc. Northumb.* *N.S.* **10** 2 1953 : 81–100.

1987.—Webb, C. S. Hartlaub's Touraco. *Avicult. Mag.* **59** 1953 : 179–181 col. pl.

1988.—Weber, B. Begattung bei Goldammer und Eichelhäher. *Orn. Mitt.* **5** 1953 : 212.

1989.—Weber, H. Berwirkung des Farbwechsels bei männlichen Kreuzschnäbeln. *J. Orn.* **94** 1953 : 342–346.

- 1990.—Wedd, G. The fauna of Monte Bello Islands. *Oryx* 2 1953 : 124–126.
- 1991.—Wedérus, H. Fåglar vid Kummaeno, Torne Lappmark, som-maren 1952. Fauna o. flora 1953 3–4 : 97–115 7 figs. map.
- 1992.—Wedin, B. The development of the head cavities in *Ardea cinerea* L. *Acta anat.* 17 1953 : 240–252 14 figs.
- 1993.—Wedin, B. The development of the eye muscles in *Ardea cinerea* L. *Acta anat.* 18 1953 : 30–48 19 figs.
- 1994.—Weischer, B. Untersuchungen über das Verhalten von Eidechsen und Vögeln gegenüber "süssen" stoffen. *Z. vergl. Physiol.* 35 4 1953 : 267–299 7 figs.
- 1995.—Weitzel, G. and Lennert, K. Untersuchungen über die Bürzeldrüse der Vögel. I. Mitteilung. Die Fettstoffe der Bürzeldrüsen von Enten. II. Mitteilung. Morphologie und Histochemie der Bürzeldrüsen von Enten. *Hoppe-Seyl. Z.* 288 4–6 1951 : 251–272 2 figs.
- 1996.—Wellershaus, S. Erste beobachtung einer Eisente (*Clangula hyemalis*) bei Bamberg. *Orn. Mitt.* 5 1953 : 115.
- 1997.—Wendland, V. Populationsstudien an Raubvögeln: Bruterfolg 1940–1951, unter sucht bei 7 arten. *J. Orn.* 94 1953 : 103–113.
- 1998.—Wessel, M. Singdrossel (*Turdus ericetorum philomelos*) als Bodenbrüter. *Orn. Mitt.* 5 1953 : 214.
- 1999.—West, E. M. Meadowlarks "invading" a city boulevard. Blue Grosbeaks near Chattanooga. Migrant, Tennessee 24 3 1953 : 53–54.
- 2000.—Westall, P. R. Territorial friction between Kentish and Ringed Plovers. *Ibis* 95 1953 : 379.
- 2001.—Westall, P. R., Ed. Bird report for 1952. *Trans. Suffolk Nats. Soc.* 8 2 1953 : 85–92.
- 2002.—Westerfrölke, P. Warum meiden Vögel die Früchte des Schneeballstrauches? *Orn. Mitt.* 5 1953 : 136.
- 2003.—Westerfrölke, P. Tarnstellung einer Bekassine (*Capella gallinago*). *Orn. Mitt.* 5 1953 : 170.
- 2004.—Westerfrölke, P. [and Focke, E.]. Teichwasserläufer (*Tringa stagnatilis*) in Nordwestdeutschland. *Orn. Mitt.* 5 1953 : 209.
- 2005.—Westernhagen, W. von. Vom Zug der Nebelkrähe (*Corvus corone cornix* L.) und ihre Abnahme als Wintervogel in Schleswig-Holstein. *Orn. Mitt.* 5 1953 : 125–129 fig.
- 2006.—Westerskov, K. E. Introduction into N.Z. of Australian Blue Wren in 1923. *Notornis* 5 1953 : 106.
- 2007.—Westerskov, K. Autumn bird count in Mantata Bird Sanctuary. *Notornis* 5 1953 : 124.
- 2008.—Westerskov, K. Pheasant banding in New Zealand, 1948–51. *Notornis* 5 1953 : 157–164.
- 2009.—Westerskov, K. Bird pox in a New Zealand Pipit. *Notornis* 5 1953 : 168–170 fig.
- 2010.—Westerskov, K. Taxonomic status of the Redpoll in N.Z. *Notornis* 5 1953 : 189–191 pl.
- 2011.—Weston, F. M. Red Phalarope (*Phalaropus fulicarius*) wintering near Pensacola, Florida. *Auk* 70 1953 : 491.
- 2012.—Wetmore, A. A record for *Neodrepanis hypoxantha* of Madagascar. *Auk* 70 1953 : 91.
- 2013.—Wetmore, A. The application of the name *Emberiza leucophrys* Forster. *Auk* 70 1953 : 372.
- 2014.—Wetmore, A. The birds of the islands of Taboga, Taboguilla, and Uravá, Panamá. *Smithson. misc. Coll.* 121 2 1952 : 1–32 3 pls.
- 2015.—Wetmore, A. Further additions to the birds of Panamá and Colombia. *Smithson. misc. Coll.* 122 8 1953 : 1–12.
- 2016.—Wetmore, A. and Phelps, W. H. Jr. A new form of Hummingbird from the Perija Mountains of Venezuela and Colombia. *Proc. biol. Soc. Wash.* 65 1952 : 135–136.
- 2017.—Wetmore, A. and Phelps, W. H. Jr. A race of forest-inhabiting Finch from the Perija Mountains of Venezuela and Colombia. *Proc. biol. Soc. Wash.* 66 1953 : 13–14.

2018.—Wetmore, A. and Phelps, W. H. Jr. Notes on the Rufous Goatsuckers of Venezuela. *Proc. biol. Soc. Wash.* **66** 1953 : 15-19.

2019.—Wharton, W. P. Recoveries of birds banded at Groton, Massachusetts, 1932-1950. *Bird-Banding* **24** 1953 : 1-7.

2020.—Wheeler, J. R. Notes on the Blue-billed Ducks at Lake Wendouree, Ballarat. *Emu* **53** 1953 : 280-282.

2021.—Wheeler, W. R. Altona survey group, Report No. 2. *Emu* **53** 1953 : 30-32.

2022.—Whelan, M.-E. Fresh-water mollusks fed to young Tree Swallows. *Wilson Bull.* **65** 1953 : 196.

2023.—White, C. M. N. The races of Coqui Francolin in South and Central Africa. *Bull. Brit. orn. Cl.* **73** 1953 : 66-68.

2024.—White, C. M. N. A revision of *Sylvietta ruficapilla* Bocage. *Bull. Brit. orn. Cl.* **73** 1953 : 68-70.

2025.—White, C. M. N. Systematic and distributional notes on African birds. *Bull. Brit. orn. Cl.* **73** 1953 : 76-77.

2026.—White, C. M. N. A note on *Rhinomyias brunneata* (Slater). *Bull. Brit. orn. Cl.* **73** 1953 : 83.

2027.—White, C. M. N. Variation in *Streptopelia decipiens* (Finsch and Hartlaub). *Bull. Brit. orn. Cl.* **73** 1953 : 85-87.

2028.—White, C. M. N. Notes on some African Larks of the genus *Mirafra*. *Bull. Brit. orn. Cl.* **73** 1953 : 87-91.

2029.—White, C. M. N. Notes on the taxonomy of the Guinea Fowls. Systematic notes on African birds. *Bull. Brit. orn. Cl.* **73** 1953 : 93-96.

2030.—White, H. C. The Eastern Belted Kingfisher in the Maritime Provinces. *Bull. Fish. Res. Bd. Can.* No. 97 1953 : 1-44 17 figs.

2031.—Whitehouse, H. L. K. and Armstrong, E. A. Rhythms in the breeding behaviour of the European Wren. *Behaviour* **5** 1953 : 261-288 8 figs.

2032.—Whitlock, D. G. A neuro-histological and neurophysiological study of afferent fiber tracts and receptive areas of the avian cerebellum. *J. com. Neurol.* **97** 3 1952 : 567-635 6 pls. 21 figs.

Whitlock, D. G. *see* Larsall.

2033.—Whittell, H. M. List of birds occurring in North Queensland. *Publ. N. Qd. Nat. Cl. No.* 5 1949 : 1-12.

2034.—Wickstrom, G. Seasonal records of Michigan birds Fall 1952 [to Summer 1953]. *Jack-Pine Warbler* **31** 1953 : 28-38, 62-69, 79-96, 140-148.

2035.—Wiggins, I. L. Foraging activities of the Snowy Owl (*Nyctea scandiaca*) during a period of low lemming population. *Auk* **70** 1953 : 366.

2036.—Wilcox, H. H. The pelvic musculature of the loon, *Gavia immer*. *Amer. midl. Nat.* **48** 3 1952 : 513-573 26 pls.

2037.—Wiley, A. J. Waders of the East African seashore. *Afr. wild Life* **7** 1953 : 54-57 2 figs.

2038.—Willcocks, T. J. [and others]. Little Egret in Cornwall [Norfolk, Carmarthenshire, Sussex and feeding habits]. *Brit. Birds* **46** 1953 : 255-258.

2039.—Williams, G. G. Wilson Phalaropes as commensals. *Condor* **55** 1953 : 158.

2040.—Williams, J. G. *Cinnyris mediocris*. A revision of the species and description of a new race. *Bull. Brit. orn. Cl.* **73** 1953 : 8-11.

2041.—Williams, J. G. On the status of *Cinnyris erikssoni*. *Bull. Brit. orn. Cl.* **73** 1953 : 11-12.

2042.—Williams, J. G. On the nest and eggs of *Anthreptes reichenowi yokanae*. *Bull. Brit. orn. Cl.* **73** 1953 : 33.

2043.—Williams, J. G. On the status of *Cinnyris chalybeus capricornensis*. *Bull. Brit. orn. Cl.* **73** 1953 : 65.

2044.—Williams, J. G. Revision of *Cinnyris sovimanga* : with description of a new race. *Ibis* **95** 1953 : 501-504 col. pl.

2045.—Williams, J. G. On the status of the Seychelles Sunbirds, *Cyanomitra dussumieri* and *C. mahéi*. *Ibis* **95** 1953 : 545-546.

2046.—Williams, G. R. The dispersal from New Zealand and Australia of some introduced passerines. *Ibis* **95** 1953 : 676-692.

2047.—Williams, T. S. Observations on Sheld-duck on the Welsh side of the Dee Estuary. *Proc. L'pool Nat. Fld. Cl. No. 92* [1953] : 15-18.

2048.—Williamson, K. Flocking behaviour of Oystercatchers. *Brit. Birds* **46** 1953 : 108-110.

2049.—Williamson, K. Rare larks and pipits at Fair Isle in 1952. *Brit. Birds* **46** 1953 : 210-212.

2050.—Williamson, K. Redwing passage in autumn at Fair Isle. *Bull. Brit. orn. Cl.* **73** 1953 : 18-23 figs.

2051.—Williamson, K. Migration into Britain from the North-West, Autumn. *Scot. Nat.* **65** 1953 : 65-94 14 figs.

2052.—[Williamson, K. and others]. Reports from bird observatories, 1952. *Brit. Birds* **46** 1953 :

Williamson, K. *see* Meinertzhagen.

2053.—Williamson, R. L. C. Birds of the Culmstock area. Dawn chorus at Culmstock, 1952. *Mag. Blundell's Sch. Sci. Soc. No. 7* [1952] : 18-20.

2054.—Wilson, H. Report of the standing committee on Conservation. *Emu* **53** 1953 : 46-50.

2055.—Winker, J. Verzeichnis ornithologischer Literatur aus nicht-ornithologischen Zeitschriften. *Orn. Mitt.* **5** 1953 : 17-20.

2056.—Wint, G. B. Hunting returns on pen-reared Bobwhites in Okfuskee County. *Proc. Okla. Acad. Sci.* **30** 1951 : 117-120.

2057.—Winterbottom, J. M. On the bird population of the Old Jeanes School Station, Mazabuka, Northern Rhodesia, 1948-49. *Ostrich* **24** 1953 : 174-181 fig.

2058.—Witzig, A. Herbstnotizen aus dem Tessin. *Orn. Beob.* **50** 1953 : 30.

2059.—Wodzicki, K. and Robertson, F. H. Notes on the life history and population trends of the Gannet at the Plateau gannetry, Cape Kidnappers. *Emu* **53** 1953 : 152-168 3 pls. figs.

2060.—Wolf, K. Grebe-Duck nesting parasitism. *Auk* **70** 1953 : 84.

2061.—Wolfe, L. R. Extension of known range of *Haliaeetus leucoryphus* (Pallas). *Auk* **70** 1953 : 492.

2062.—Wolfson, A. The seventieth stated meeting of the American Ornithologist's Union. *Auk* **70** 1953 : 183-195.

2063.—Wolfson, A. Gonadal and fat response to a 5 : 1 ratio of light to darkness in the White-throated Sparrow. *Condor* **55** 1953 : 187-192 fig.

2064.—Wolfson, A. Correction of data reported on White-throated Sparrows. *Condor* **55** 1953 : 318.

2065.—Wolfson, A. The occurrence and regulation of the refractory period in the gonadal and fat cycles of the junco. *J. exp. Zool.* **121** 1952 : 311-325 1 fig.

Wolk, R. *see* Mayr.

2066.—Wolters, H. E. Die Gattungen der westpalaearktischen Sperlingsvögel (Ordn. Passeriformes). *Bonn. zool. Beitr.* **3** 1952 : 231-288.

2067.—Wolters, H. E. A new name for *Euplectes* (*Diatropura*) *progne ansorgei* Neumann. *Bull. Brit. orn. Cl.* **73** 1953 : 32.

2068.—Wolters, H. E. Spottende Kohlmeisen. *Orn. Mitt.* **5** 1953 : 6.

2069.—Wood, E. D. Observations and report on bird-banding in the vicinity of Victoria B.C. *Victoria Nat.* **9** 7 1953 : 76-78, 82.

2070.—Wood, H. B. John Beck the second American bird-bander. *Bird-Banding* **24** 1953 : 67.

2071.—Wood, N. A. The birds of Michigan. *Misc. Publ. Mus. Zool. Univ. Mich. No. 75* 1951 : 1-559 16 pls.

2072.—Wormer, J. V. The desert dancers. *Audubon Mag.* **55** 2 1953 : 56-58, 80 figs.

2073.—Wortelaers, F. Bezoek aan der Bosuil. *Gerfaut* **43** 1953 : 172-174.

2074.—Worth, C. B. Bird notes from Mysore. *J. Bombay nat. Hist. Soc.* **51** 2 1953 : 509-510.

2075.—Worth, C. B. Ecological notes on a colony of small swallow-plovers in Mysore State. *J. Bombay nat. Hist. Soc.* **51** 3 1953 : 608-622.

2077.—Wüst, W. Das Ismaninger Teichgebiet des Bayernwerkers (A.-G.) *Anz. Orn. Ges. Bay.* **4** 2 1953 : 44-54.

2078.—Wüst, W. Nistet die Felsinschwalbe—*Riparia r. rupestris* (Scopoli)—noch in Deutschland. *Orn. Mitt.* **5** 1953 : 3-4.

2079.—Wynne-Edwards, V. C. The Fulmars of Cape Searle. Arctic, Montreal **5** 2 1952 : 104-117 6 figs.

2080.—Yakshitz, Y. Y. Food of rapacious birds]. *Zool. Zh. Moscow* **31** 6 1952 : 948-950. [In Russian].

2081.—Yamashina, Y. Duck hybridization by artificial insemination. *Tori* **13** 60 1950 : 1-5.

2082.—Yamashina, Y. Notes on experimental brooding induced by prolactin injections in the domestic cock. *Annot. zool. jap.* **25** 1952 : 135-142 8 figs.

2083.—Yamashina, Y. Studies on the elimination of broodiness in domestic fowl by the use of prolactin. *Misc. Rep. Yamashina Inst. Orn. Zool.* No. 1 1952 : 2-4.

2084.—Yamashina, Y. *Cygnus olor* (Gmelin) obtained in Hachijo I., the Seven Islands of Izu. *Misc. Rep. Yamashina Inst. Orn. Zool.* No. 1 1952 : 32.

2085.—Yamashina, Y. Studies on the hybridization between domestic drake and domestic goose. *Misc. Rep. Yamashina Inst. Orn. Zool.* No. 2 1953 : 39-44 figs.

2086.—Yamashina, Y. and Udagawa, T. Chromosomes of *Arenaria interpres interpres* (L.). *Misc. Rep. Yamashina Inst. Orn. Zool.* No. 1 1952 : 20-21 fig.

2087.—Yeagley, H. L. Some surprises in research. *Audubon Mag.* **55** 1953 : 158-161 figs.

2088.—Yealland, J. The Scarlet-tufted Malachite Sunbird. *Avicult. Mag.* **59** 1953 : 77-79 col. pl.

2089.—Yealland, J. J. Rearing a King Penguin chick at the Lodnon Zoo. *Zoo Life* **7** 1952 : 118-119 4 figs.

Yeates, G. K. *see* Higham.

2090.—Yepez, G. El indio y las aves. *Mem. Soc. Cienc. nat. La Salle* **13** 35 1953 : 141-143.

2091.—Yepez, A. F. Lista parcial de las aves del Valle de Caracas. Observadas y coleccionadas en el lapso 1940 a 1950. *Rev. Fac. Agric. Caracas* **1** 2 1953 : 139-148.

2092.—Yepez, A. F. Caso de albinismos en "*Turdus gymnosphthalmos*" (Paraulata ojo candil). *Rev. Fac. Agric. Caracas* **1** 2 1953 : 149.

Yepez T. G. *see* Gines.

2093.—Yocom, C. F. Columbian Sharp-tailed Grouse *Pedioecetes phasianellus columbianus*) in the State of Washington. *Amer. Midl. Nat.* **48** 1 1953 : 185-192 3 figs.

Yocom, C. F. *see* Harris.

2094.—[Yudin, K. A. Birds in the region of Valuisk Research Station (Stalingrad Province)]. *Trav. Inst. Zool. Acad. Sci. URSS.* **11** 1952 : 235-264 6 figs. [In Russian].

2095.—[Yudin, K. A. Observations on distribution and biology of birds in Krasnoyarsk Land]. *Trav. Inst. zool. Acad. Sci. URSS.* **11** 1952 : 1029-1060. [In Russian].

2096.—Zabel, J. Türkentauben (*Streptopelia decaocto*) in Cuxhaven. *Orn. Mitt.* **5** 1953 : 113.

2097.—Zach, O. Die Vogellunge. *Mikrokosmos* **42** 12 1953 : 277-280 7 figs.

2098.—Zahl, P. A. Exotic birds in Manhattan's Bowery. *Nat. geogr. Mag.* **103** 1 1953 : 76-98 col. pls. figs.

2099.—[Zernova, S. A. and Pavlovskogo, E. N.]. A descriptive list of birds and animals of the USSR. relating to hunting and industry. Vol. 1. Birds. Edited by A. Y. Tugarinov and L. A. Portenko. Moskwa, 1952 : 1-370 illust. *See* D.S.I.R. No. 47 p. 104.

2100.—Zimmer, J. T. Studies on Peruvian birds. No. 63. The Hummingbird genera *Oreonympha*, *Schistes*, *Heliothryx*, *Loddigesia*, *Heliomaster*, *Rhodopis*, *Thaumastura*, *Calliphlox*, *Myrtis*, *Myrmia*, and *Acestrura*. Amer. Mus. Novit. No. 1604 1953 : 1-26.

2101.—Zimmer, J. T. Notes on Tyrant Flycatchers (Tyrannidae). Amer. Mus. Novit. No. 1605 1953 : 1-16.

2102.—Zimmer, J. T. Studies of Peruvian birds. No. 64. The Swifts : family Apodidae. Amer. Mus. Novit. No. 1609 1953 : 1-20.

2103.—Zimmer, J. T. The original description of *Hesperiphonia vespertina montana* Ridgway. The original edition of Azara's 'Apuntamientos'. Auk 70 1953 : 213.

2104.—Zimmer, J. T. Studies of Peruvian birds. No. 65. The Jays (Corvidae) and Pipits (Motacillidae). Amer. Mus. Novit. No. 1649 1953 : 1-27.

2105.—Zimmermann, D. Geleitwort zum 50 Jahrgang. Orn. Beob. 50 1953 : 1-3.

2106.—Zimmermann, H. Eigenartiger Starenbrutplatz. Orn. Mitt. 5 1953 : 96 fig.

2107.—Zimmermann, H. Der Tretakt bei der Küstenseeschwalbe (*Sterna macrura*). Orn. Mitt. 5 1953 : 173 fig.

2108.—Zinder, J. P. Curieux emplacement d'un nid de Pouillot de Bonelli. Pouillot de Bonelli et Coucou. Nos Oiseaux 22 1953 : 18.

2109.—Zinder, J. P. Deux Loriots retrouvés ensemble en Italie. Nos Oiseaux 22 1953 : 98.

2110.—Zorichak, J. L. The Ruffed Grouse as a snake eater. Flicker Minnesota 25 1953 : 2-3 fig.

2111.—[Zubareva, V. I.] Fossil birds of Quaternary deposits in Ukraine Republic]. Trud. Inst. Zool. Kiev 4 1950 : 78-99 3 pls. [In Ukrainian].

2112.—Zuberbühler, E. Curiosa ubicacion de un nido de benteveo, *Pitangus sulphuratus bolivianus* (Lafresnaye). Hornero 9 1951 : 350-351 photo.

II.—SUBJECT INDEX

GENERAL LITERATURE AND HISTORY

General Works : Faunal.—28th Supplement to A.O.U. List, ANON 16 ; Japan, AUSTIN & KURODA 93 ; West Africa, BANNERMAN 114 ; British Isles, BANNERMAN 117 ; Scotland, BAXTER & RINTOUL 140 ; Checklist for Nyasaland, BENSON 161 ; Antarctic, BIERMAN & VOOS 200a ; Tunis, BLANCHET 211 ; Belgian Congo, CHAPIN 375, PRIGOGINE 1485, SCHOUTEDEN 1637 ; Yorkshire birds, CHISLETT 383 ; Checklist for Natal & Zululand, CLANCEY 390 ; U.S.S.R., DEMENTIEV & CHLADKOV 474 ; Mid-European birds, FRIELING 591 ; French Cameroon, GOOD, 662, 663 ; Bibliography of Java birds, HOOGERWERF 852 ; List of Yugoslav birds, MATVEJEV 1222 ; French list, MAYAUD 1224 ; Bolivia, NIETHAMMER 1355 ; Lancashire birds, OAKES 1380 ; New Zealand Checklist, ORN. Soc. N.Z. 1390 ; Argentine, PEREYRA 1430 ; Ceylon checklist, PHILLIPS 1445 ; Swedish birds, RÖSÖ 1578 ; Mauritius, ROUNTREE & OTHERS 1580 ; Zürich, Switzerland, SCHINZ 1627 ; New Brunswick, SQUIRES 1746 ; Portugal, THEMIDO 1858 ; Upemba National Park, Belgian Congo, VERHEYEN 1941 ; Birds of Michigan, WOOD 2071.

General Works : Miscellaneous.—Collectors' guide, ANON 1 ; BARRUEL 123 ; BOETTICHER 234 ; Animal courtship, BURTON 339 ; Watching birds, FISHER 572 ; British field birds, FISHER 573 ; British town birds, FITTER 574 ; Photography, LABITTE 1048 ; Painting or photography ? REBOUSSIN 1517 ; Preparation of birds' skins, SCHOUTEDEN 1646.

History.—Poison and birds in India, KAPADIA 948 ; Earliest mention of 'territory', NICE 1342 ; Myth of the Barnacle Goose, QUAYLE 1494 ; North American birds, McATEE 1150a ; Tristan da Cunha, STRESEMANN 1793 ; Abbot's 1810 collection, STRESEMANN 1792 ; Lapérouse Expedition (1791-94), STRESEMANN 1797 ; Boie's and Naumann's letters, 1818-1820, THOMSEN & STRESEMANN 1860 ; John Beck bird ringing in 1812, WOOD 2070.

Bibliography.—Delaware Valley and New Jersey 1950–51, ANON 17; British Columbia, ANON 19; Illustrations, ALEXANDER 39; Swedish literature 1951 & 1952, ARMINGTON 67; Finnish literature 1952, ARTIMO 80; Michigan Warblers, BERGER 172; German literature, BRUNS 313, 314; Thailand, DEIGNAN 464; Birds of Java, HOOGERWERF 852; Java literature, HOOGERWERF 853; Dates of Gray's Indian illustrations, SAWYER 1611; Michigan literature 1923–1938, SMITHE 1722; Temmick's "Catalogue Systematique" (1807), STRESEMANN 1799; Naumann and Temminck, STRESEMANN & THOMSEN 1801; German papers, WINKER 2055; Azara's "Apuntamientos", ZIMMER 2103.

Obituaries.—F. Cavazzo, GHIGI 627; N. Joy, ALEXANDER 40; A. H. Macpherson, HOMES 849; E. H. Lowther, KINNEAR 981; Miss L. J. Rintoul, KINNEAR 982; G. C. Low, MANSON-BAHR 1193; A. S. Jensen, SALOMONSEN 1604; Duke of Bedford, SETH-SMITH 1671; C. Dupond, VERHEYEN 1943; E. E. Gigoux, VILLEGAS 1950; J. Delamain, WALLING 1982.

Portraits.—R. A. Falla, 548; Ludwig Koch, 722; Miss L. J. Rintoul, 982; S. Kobayashi, 987; G. C. Low, 1193; Duke of Bedford, 1671; L. Schuster, 1800; C. D. Dupond, 1943.

Biographies.—Dr. Franz Groebbel, LAUBMANN & MOEBERT 1076; Alexander Wilson, SMITH 1721; L. Schuster, STRESEMAN & SCHÜZ 1860.

Classification.—A phylogeny of the Oscines, BEECHER 148; Song birds, BOETTCHER 237; Birds and bird-lice, PATERSON 1409; The Thrushes, RIPLEY 1556; Systematics of Charadriidae based on food composition, SHAPOSHNIKOV 1675; Feeding of birds and taxonomy, SHAPOSHNIKOV 1677; By mallophaga parasites, TIMMERMANN 1872.

Taxonomy and Nomenclature.—Brisson 1760, GRANT 678; Nomina nuda, GRANT 680; Suggestions for revision in systematic nomenclature, GUTTMAN 719; Nomina conservanda, HARRISON & OTHERS 759; Proposals,

HEMMING 788, 790; Use of plenary powers, HEMMING 791; Early descriptions of Smith's South Africa spp., MACDONALD & GRANT 1159; Comments on B.O.U. check-list, MEINERTZHAGEN & WILLIAMSON 1249; Chilean birds, PHILIPPI 1441; Speciation problems in Australian birds, SERVENTZ 1669; African birds, WHITE 2029; Passeriformes, WOLTERS 2066.

Vernacular Names.—English, ANON 4; Inn signs, ALEXANDER 38; Nunamiat Eskimo, IRVING 893.

Museums and Institutions.—Edward Grey Institute, ANON 2; R.A.O.U. Congress, 1953, BINNS 203; Care of collections, CLANCEY 389; Royal Australasian Ornithologists' Union, CONDON 411, HANKS 745; Birds and eggs in British Museums, MATHESON 1213; British Trust for Ornithology, NORRIS 1372, LACK 1052; Seventieth A.O.U. meeting, WOLFSON 2062; ALA Switzerland, ZIMMERMANN 2105.

Oology.—ANON 23; Calculation of egg volume, BARTH 126; Black eggs, EISENMANN 524; Formation of double eggs, FAVILLI & AVANZI 559; Double-yolked eggs, JEFFREY & OTHERS 906; McNEILE 1179; Shapes of birds' eggs mathematically computed, PRESTON 1478; Abnormally pigmented duck egg, RIMINGTON 1546; SHÖNWETTER 1635.

Fossil Birds.—New Zealand, MARPLES 1198; Penguins, MARPLES 1200; Subfossil birds in the lower region of Ural river, VERESHTCHAGIN & GROMOV 1939; Upper Pleistocene remains at Kasmalka, Tatar Republic, VERESHTCHAGIN 1940; Subfossil birds of Ukraine Republic, ZUBAREVA 2111.

Extinct birds.—ARTHUR 78; HACHISUKA 726; Moa remains in middens, SCARLETT 1614.

STRUCTURE

including CYTOLOGY

General.—Bird beaks compared with mammals, HOFER 827; Feeding adaptations in Piciformes, BEECHER 149.

Cytology.—Palatal glands of fowl, GRZYCKI 704 ; Shell gland of fowl, MCCALLION 1151 ; Glands of the fowl, MCCALLION & AITKEN 1152 ; Karyogram studies of Chromosomes, UDAGAWA 1903.

Osteology.—BENOIT & CLAVERT 160 ; CLAVERT 398 ; Healing of fractures, DIDIER 484 ; Parrots' skulls, VLASBLOM 1955.

Myology.—Anatomy of head, BARNIKOL 121 ; Electron microscope study, BENNETT & PORTER 158 ; Blue Coua, BERGER 165 ; Neck muscles in pheasant and partridge, BOER 232, 233 ; Origin of muscles in extremities of birds, DANILOVA 445 ; Jaw muscles of parrots, HOFER 828 ; Postembryonic development of muscles in birds, RUMYANTZEVA 1586 ; Great Northern Diver, WILCOX 2036.

Teratology.—Melanism, BONELLI 243 ; Double eggs, DAHLGREN 441 ; Abnormal beaks, GUERRA 705 ; Pilocarpine-induced defects, LANDAUER 1063 ; Thrushes, ROLLIN 1566.

PHYSIOLOGY

General.—Reduction of fat in liver and muscle during flight, GEORGE & JYOTI 610 ; Erythrocyte permeability, JOHNSTON & HOCHMAN 925 ; Study of lipids in arctic birds, MUSACCHIA 1325 ; Spermatogenesis of Guinea fowl, SCACCINI 1612 ; Neurosecretion, STUTINSKY 1806 ; Resistance of tissues in chickens, TRIPONOVA & TIKHOMIROV 1897.

Respiration.—During anoxia HIESTAND & OTHERS 809 ; Water loss in desert regions, BARTHOLOMEW & DAWSON 127 ; Lungs, ZACH 2097.

Alimentary System.—Intestine length in Bower-birds, CLELAND 402 ; Role of pebbles in the gizzard, LIENHART 1108.

Circulatory System.—Red blood cell of embryo, ALEXANDER & SCHJEIDE 31 ; ASSENMACHER 82 ; Plasma, BURSTEIN & LEWI 337 ; Study of main arteries in region of the heart of birds, GLENNY 646.

Nerves and Sense Organs.—Olfactory system, ALLISON 47 ; General physiology, BUDDENBROCK 320 ; Star-

lings unable to see in red light, DIJK-GRAAF 489 ; Experiments on olfactory sense in quails, FRINGS & BOYD 593 ; Acoustic orientation in the Oil bird, GRIFFIN 694 ; Eyesight limit, GRIMMER 698 ; Eyesight, KAUTH & SOMMER 955 ; Morphogenesis of the brain in birds, KRABBE 1009 ; Cerebellum, LARSALL & WHITLOCK 1071 ; Development of cornea in chicken, NEIFAKH 1337 ; Scenting powers, PHYTHIAN-ADAMS 1453 ; Structure of brain in connection with food seeking, SHAPOSHNIKOV 1676 ; Eye muscles in Heron, WEDIN 1993 ; Taste, WEISCHER 1994 ; Fibre tracts of cerebellum, WHITLOCK 2032.

Plumage and Moul.—Albinism, BETTMANN 192, MAKOWSKI 1183 ; Abnormality, BLYTH & HALE 222 ; Budgerigar, DRIESEN 501 ; Budgerigar feather, DRIESEN & VÖLKER 502 ; Symmetrical albinism, HARRISON 755 ; Variations of pattern, HARRISON 756 ; Tosa fowl, INGRAM 889 ; Some fundamentals of the feather, KELSO 960 ; Acceleration by experimental reduction of light, KOBAYASHI 994 ; Laboratory Studies, KOBAYASHI 993 ; Pigeon feather development, KUHN 1021 ; Mockingbird, MICHENER 1261 ; Pigeon moult cycle, MORI 1299 ; Structure of the surface of wings in Gulls, SHESTAKOVA 1683 ; Water-repellency of feathers, THOMPSON 1865 ; Chemistry of feather, VÖLKER 1965.

Epithelial Structures.—Wing claws in crow, BAUMEL 138 ; Study of egg tooth of the chick, BYCZKOWSKA 344 ; Histological structure of beak, KINGSBURY & OTHERS 979 ; Histology of shield-gland in chicken, TEREZA 1849.

Body Temperatures.—Young gulls, BARTH 125 ; Young pelicans, BARTHOLOMEW & OTHERS 128 ; Chilian birds, THEUNE LAWS 1859.

Body Weights.—A convenient method of confining live birds, BROOKS 290 ; Swallow, CREUTZ 427 ; Ducks in Minnesota, MARSHALL & HARRIS 1203 ; Apparatus for weighing tits, MOORE 1289 ; House Sparrow, NIETHAMMER 1356.

Endocrines.—Radiosurgery of thyroid, BAILEY 108 ; Coccyeal gland, WEITZEL & LENNERT 1995.

Experimental Physiology. —

Comb and plumage change in hens after hormone administration, BLIVAIS 217; Experimental hybridization in birds, FERDINANDOV 565; Thermic experiments with birds, GELINEO 609; Hormonic steroids, KOBAYASHI 992; PATAY 1407, 1408; Grafting experiments with cornea in birds, POPOV & BORSUK 1467; Regeneration of muscles after grafting crushed muscular tissue in chickens and pigeons. STUDITSKI 1804.

Biochemistry.—Textbook, NEEDHAM 1333; Chemistry of an egg, RILEY 1545; Nucleic acid in hen's egg, SHMERLING & RAVIKOVITCH 1685.

DEVELOPMENT

Embryology.—ANCEL 58; Teratomas from embryonic cells, ANDRES 62; Chicken development in connection with age of parents, ANOROVA 65; Cell differentiation in anterior pituitary, ARONSSON 77; Twin embryos in passerines, BEYER 171; BRINI 277; Development of chondrocranium in penguin, CROMPTON 429; Supra-renal gland, DAWSON 459; Spina bifida, FOWLER 587; Ontogenesis of forebrain, KÄLLEN 947; LUTZ 1145; Chick blastoderm, MALAN 1184; Antigens in the chick, NACE 1328; General comparative embryology, NELSEN 1338; Retarded development, OLSEN & MARSDEN 1384; Remarks on Malan's mémoire, PASTEELS 1406; Orientation of embryo, VINTEMBERGER & CLAVERT 1953; Development of head cavities in Heron, WEDIN 1992.

Early Stages.—Evolution of the egg in the uterus, CLAVERT & VINTEMBERGER 399; KRAMER 1010; Blood vessels in the chick, KUME 1024; Brain, LORIER & PATAY 1133; Development of skull, LANG 1065; Nutrition and embryonic development of chicken, RAGOZINA 1496; Chondrocranium of Cormorant, SLABÝ 1714; VERNE & OTHERS 1947.

Experimental Embryology. — LANDAUER 1064; Action of Cortisone, RIGDON 1543; Circulatory system of fowl, STEPHAN 1772.

REPRODUCTION AND SEX

General Problems.—Reproductive organs of male Fringillids, BAILEY 107; Ginandromorphism, KUMERLOEVE 1027; Experimental sexual development of budgerigars, VAUGIEN 1929; Brooding cock, YAMASHINA 2082.

Sexual Periodicity.—Surgery for observing gonad condition, BAILEY 109; Turkeys, BURROWS & KOSIN 336; French note, DEKEYSER 466; Diurnal photoperiods, FARNER & MEWALDT 554; Interrupted photoperiods, FARNER & OTHERS 555; Game-farm pheasants, GREELEY & MEYER 689; The role of darkness, HAMMOND & OTHERS 742; Significance of dark period in photoperiodic response, JENNER & ENGELS 910; Influence of light on multiplication of Pigeons, LARIONOV & AROROVA 1069; Refractoriness to light stimulation, WOLFSON 2065; Experimental elimination of broodiness in fowls, YAMASHINA 2083.

Sex Inversion.—LIENHART 1107; Fowl experiments, NISHIDA 1362; NORDIO 1366.

Hybrids.—Teal, ANDERSON & MILLER 60; Macaw, AUBER & HILL 84; Jungle Fowl, DERANTYAGALA 476; Pheasants, GHIGI 626, HACHISUKA 733; *Branta Anser*, KURODA 1035; Fowl × Golden Pheasant artificially produced, MARCHLEWSKI 1197; Golden-eye, SNYDER 1729; Parrakeets, SPRAWSON 1744; Duck, SUTER 1809; Ducks by artificial insemination, YAMASHINA 2081; Duck × Goose experimental attempt, YAMASHINA 2085.

EVOLUTION AND GENETICS

General Problems.—Shank length in fowls, BLYTH 221; Hereditary abnormality in fowl, BROCKHUIZEN & ALBADA 285; Ducks, HUTT 878; Antigenic substances of blood, IRWIN 896; Sereological relationships, MARTIN & LEONE 1205; Embryo pigeons, MILLER 1270; Pigeons, BRYAN & MILLER 315, MILLER & BRYAN 1271; Junglefowl, MOREJOHN 1295; Sub-specific boundaries and genodynamics, VOIPPIO 1959.

Genetics in fowls.—SHULTZ 1688.

HABITS AND ECOLOGY

General Problems.—Migratory birds of relict distribution, AMADON 53; World distribution of nectar eating birds, BERLIOZ 180; Evolution and distribution, CLARK 396; Plant distribution by birds, CLELAND 403; Note, CORNWALLIS 416; Experiments with transferring eggs of small birds, DYATLOV 512; Recording diurnal activity of caged birds, FARNER & MEWALDT 553; Light and distribution of birds in the forests, GRUZDEV 703; Caves of Yucatan, HATT & FISHER 771; Phenology of Finland, REUTER 1528; Density of Raptores, SCHNURRE 1633, WENDLAND 1997; Bird life in industrial region, SCHUBERT 1648.

General Habits ; Single Species.—Magpie, BÄHRMANN 103; Marsh Tit, MORLEY 1303; Hoopoe, MÜNCH 1316; Swallow-Tanager, SCHAEFER 1616; Lytebird, SMITH 1719; Lapwing in Britain, SPENCER 1741; Herring Gull, TINBERGEN 1874.

Psychology.—Dominance and hierarchy, ALLEE 42; Conflict and thwarting, BASTOCK & OTHERS 133a; Encounter behaviour in Geese, BOYD 261; Note, BRIEN 275; Behaviour in Jays, GOODWIN 666; Recognition of visual patterns, GUHL & ORTMAN 707; Hierarchical organisation of behaviour, HINDE 815; Meaning of "Mimesis", HINDE 817; Among herons, KOENIGS 1002; Comparative studies on the behaviour of Anatinae, LORENZ 1132; Displacement activities of Gulls, MOYNIHAN 1309; "Imprinting" ducklings NICE 1341; Behaviour of hens towards strange individuals, POTTER & ALLEE 1470; Incubation responses, POULSEN 1473; Do snakes fascinate birds, RAYMENT 1516; Note, SCHÜZ 1654; Predator-reactions of breeding birds, SIMMONS 1700; Note, STEINBACHER 1768; Social behaviour, TIMBERGEN 1873; Fighting, TINBERGEN 1878; Of young birds, TINBERGEN 1879.

Territorial Habits.—BOURLIÈRE 251; American Coot, GULLION 716; Titmice, KLUYVER & TINBERGEN 990.

Courtship and Display.—Black Grouse, HOHN 832.

Voice and Song.—ABS 24; Song-flights, ARMSTRONG & WESTALL 73;

Spectrographic analysis of signals by fowl, COLLIAS & JOOS 405; Australian birds, ERICKSON 540, HARTSHORNE 767; Recording instruments, FISH 570; Woodpigeon, HUXLEY & BROWN 879; Secondary song, LISTER 1118; Secondary song of some Indian birds, LISTER 1120; Blackbird, SCHMITT 1629; Song recordings, SIMMS 1696, TRABER 1893; Methods of recording, SIMMS & WADE 1698; Birds of prey, STADLER 1749.

Miscellaneous Habits.—"Anting" comments, BROWN 301; Oriole and Fieldfare exchange greetings, HOHLT 831; Paper-tearing, HOME 847, HINDE 816; Position of head in sleep, MOLTONI 1279; Paper-tearing by tits, MORSHEAD 1305; Tits opening milk bottles, RUWET 1594; Chick adoption by fowls, RAMSAY 1500; Waders "coughing", WARNER 1985.

Food Habits : General.—Birds of Lakeland, BLEZARD 215; Winter food note, BODENSTEIN 225; British birds, FINCHER 567; Beetle control, INOUE 892; Sap feeders, KILHAM 971, BATTS 134; Finnish note, LINKOLA 1114; Young insectivorous birds MALTCHESKI & KADOTCHNIKOV 1185; Attractive flowers, PICKENS 1454; Gaping reactions in young passerines, PRECHTL 1476; Method of food investigation of small insectivorous birds, TITAEVA & POLIVGNOV 1881; Distaste for Viburnum fruit, WESTERFRÖLKE 2002; Food of rapacious birds, YAKSHITZ 2080.

Food Habits : Single Species.—Food choice in ducks, ENGELMANN 533; Brown owl in Pamir and Kopet-Daga, GROMOV & EGOROV 700; English titmice, HARTLEY 760; Swallows moth-hunting, HARZ 769; Mouse identification in owl's pellets, KAHMANN 944; Food of Geese in Canada, POLUNIN & EKLUND 1464; Phalaropes commensals on Avocets, WILLIAMS 2039.

Nidification : General.—Bird nest identification in winter, BATTS 135; Nests on telegraph wires, BETTS 195; Hole-breeders in Africa, BÜTTIKER 342; Finding nests, CAMPBELL 354; Group nesting, GANNON 606; Group nesting of passerine birds, GANNON 607; Use of snake skins, RAND 1504;

Identification of song-bird nests by reclaimed egg shell fragments, RIEFFENBERGER 1541; Australian note, ROBERTS 1559.

Nidification : Regional Observations.—Malaya, ALLEN 46; Private estate in Quebec, ARNOLD 76; Sea-birds at Flamborough Head, BROWNSEY & PEAKALL 305; North-central Kansas, CROSS 431; Holland, DE VRIES 478; Four Queensland birds, LORD 1131; India, NEELAKANTAN 1335; Nests of Brazil birds, PINTO 1460.

Nidification : Single Species.—Nidicoles and parasites of the Wren, ARMSTRONG 72; Crag Martin, STRAHM 1790.

Incubation and Fledging Periods.—Nest-recording device, FANT 552; Time of alternate incubation, NAKAMURA 1329; Incubation periods of birds of prey, NICE 1343; Question of 10-day incubation, NICE 1344; How male bird discovers nestlings, SKUTCH 1709, 1712.

Flight.—Wing formation in relation to speed, BROWN 300; Height and sight limit, BRUNS 311; Note, SCHUBERT 1649; Partridges [Russian note], SHTEGMAU 1687; Soaring, SMITH 1717.

Homing and Orientation.—German sea-birds, DROST 504; Sensory physiology, GRIFFIN 692; Airplane observations of pigeons, GRIFFIN 693; Popular note, HITCHCOCK 823; Pigeons, KRAMER 1012; Sun's altitude effect, KRAMER 1011; Learning and memory of pigeons, MATTHEWS 1215; Sun navigation in pigeons, MATTHEWS 1216; Experiments with Shearwaters, MATTHEWS 1217; Thesis abstract, MATTHEWS 1219; Direction-finding, MATTHEWS 1220; Gulls, PETERSEN 1434; Experimental sun orientation, SAINT-PAUL 1602; Use of sun by migrants, VLEUGEL 1956; Experiments with ducks, GEAGLEY 2087.

Migration : General.—MURPHY 1323; Note, PERRY 1431; North American migrants in Chile, PHILIPPI 1442; Visible migration, THOMSON 1864; Migration of birds as indications of the former continents and their connections, TUGARINOV 1900;

Note, VALYUS 1923; Do birds sing in their winter quarters? VERHEYEN 1942.

Migration : Regional Observations.—Gaspé Peninsula, U.S.A., BALL 111; Dublin, BROWNE 304; In Valais Alps, BURNIER 330; N.W. Germany, BUXTON 343; Philadelphia, DEVLIN 477; Himalayas, DONALD 491; Netherlands, DOBBEN 494; S.-W. Germany, FISCHER 568; Switzerland, GÉROUDET 621; Spring in northern Alabama, IMHOF 884; Lithuania, IVANAUSKAS 897; Northwest Europe, JENKINS 909; Waders in Mecklenburg, KAISER 946; Pyrenees, LACK 1050; English spring migrants, MC RITCHIE 1180; Skokholm I., MATTHEWS 1218; Mediterranean, MOREAU 1292; Spain, MOREAU 1293; Austrian Alps, MYRES 1327; Thames Estuary, OWEN 1392; Larks on Kirkcudbright coast, OWEN 1393; Southwest France, OWEN & BURTON 1394, ARNÉ 74; Autumn migrants on the Campeche Bank, Yucatán, PAYNTER 1416; Kurile Islands, U.S.S.R., PODKOVIRKIN 1462; Bergamo, Italy, PRESENTI 1477; Raptors in eastern Mediterranean, PYMAN 1493; South Lancashire coast, RAINES 1497; Spa, Belgium, RAPPE 1509; Swiss Alps, RIBAUT 1530, STRAHM 1788, BENOIT 159, GÉROUDET 615; Danish birds, SALOMONSEN 1604b; British Isles, SNOW 1726; Cyrenaica, STANFORD 1753; Scandinavia, SVÁRDSON 1818; Scotland from north-west, WILLIAMSON 2051; British bird observations, WILLIAMSON & OTHERS 2052.

Migration : Single Species.—Lesser Black-backed Gull, BARNES 119; Thrushes in Ireland, BROWNE 302; Tree Pipit, SPAEPEN 1736.

Bird-Ringing : Results.—Norway, BERNHOFT-OSA 189, HOLGERSEN 837; Rings in owl pellets, BERGER 166, NICHOLS 1347; Turnover ratios, BLAKE 207; Analysis of return rates, BLAKE 209; Chimney Swifts in Ontario, 1928-1947, BOWMAN 260; New Zealand, BULL 323; Notes, BURCKHARDT 325; Denmark, DONARK 493; German note, GOETHE & KUHK 658; Shorebirds in Southern Norway, HOLGERSEN 838; Holland, JUNGE & TAAPKEN 942, 953; Italy, MOLTONI 1280; Note, PERRY 1432;

Ring in hawk's gizzard, ROOT 1572; Switzerland, SCHIFFERLI 1623; Device for removing overlapped rings, SHAUB 1679; Poland, SZCZEPSKI 1827; British Warblers, THOMSON 1862; British Auk, THOMSON 1861; British Isles, THOMSON & LEACH 1863; Finland, VALIKANGAS & NORDSTRÖM 1919; Belgium, VERHEYEN 1945; Pheasants in New Zealand, WESTERSKOV 2008; Groton, Massachusetts, WHARTON 2019.

Bird-Ringing : Methods.—BLAKE 208; Art of bird study, LOCKLEY & RUSSELL 1122; Duck at Lara Lake, Australia, McNALLY & FALCONER 1178; Danger of leg mutilation, REED 1520.

Ecology : Regional Studies.—Trinidad, BUBC 147; Bird island in the Caribbean, HUMMELINCK 875; Habitat selection in Norway, JENKINS 908; Birds in Indian cultivated and built-up areas, LISTER 1119; Ecologic analysis of California avifauna, SALT 1605; Brewster County, Texas, THOMPSON 1866.

Population Studies.—Christmas bird census, Canada, ANON 18; An oakwood in Surrey, BEVAN 197; Wildfowl in Victoria, B.C., COWAN 422; A Swiss census, GÉROUDET 620; Changes in Suffolk, HERVEY 807; Winter bird census in South Florida, HOTCHKISS 863; Systematic photography as aid in case of penguins, SAPIN-JALOUSTRE V. CENDRON 1609; Of a restricted area near Nairobi, TOSCHI 1890; At a school station in N. Rhodesia, WINTERBOTTOM 2057.

Conservation.—Notornis, ANON 15; Keoladeo Ghana of Bharatpur, ALI 41; BIRD PRESERVATION 204; Oil pollution, BROUWER 293; England, DAVIES 450; Falconry, DUPONT 509; Result of fire, GÉROUDET 618, MANUEL 1195; Wildfowl in Argentine, GOLLAN 661; Queensland, HOLLAND 841; Oil menace, MARTINI 1206; Quail populations, OVERTON 1391; German fens, PREUSS 1480; Mauritius, ROUNTREE 1579; Protection in Cape Province, S. Africa, STANFORD 1757; Wild Turkey in Texas, TAYLOR 1846; Wildlife management, TRIPPENSEE 1899; Australia, WILSON 2054.

Economics.—Sparrow in Morocco, BACHKIROFF 99; Poultry farming in

mid-west U.S.A., BROWN 294; Exploitation of wild birds for their eggs, COTT 418; Importance of some birds in S.W. Turkmenia Russia, DEMENTIEV & OTHERS 475; DDT poison, GROMIER 699; Egg production rest periods, MACIVER 1164; Control of cormorants in Manitoba, McLEOD & BONDAR 1176; Bobolinks in Arkansas rice fields, MEANLEY & NEFF 1234; Spruce bud-worms, MITCHELL 1276; Geese breeding, PENIONZHKEVICH, 1425; Herring Gull in New Brunswick, PIMLOTT 1457; Economic importance and food of some birds in Russia. PORPELOV 1469; Sparrow control, SCHNEIDER 1632; Insectivorous birds and mass occurrence of insects, SHILOVA-KRASSOVA 1684; Jay as pest in Western Caucasus. SIROETCHKOVSKI 1704; Soft shell eggs, SYKES 1826; Birds as controlling measure of a moth, UNTERBERGER 1908; Bird predation on Crayfish in Japan, UDAGAWA 1904.

Introduction and Naturalizations.—Indian Myna in South Africa, CALDER 351; European Starling in N. America, KESSEL 965; Blue Wren in New Zealand, WESTERSKOV 2006; Dispersal of introduced passerines from Australia and New Zealand, WILLIAMS 2046.

Aviculture.—BEDFORD 145; Love-birds, LUKE 1136; A Tudor bird-cage, PRESTWICH 1479; RAND 1502; Humming birds, RAVENTLOW 1515; Guan, TAIBEL 1828; Vincennes Zoo, URBAIN & OTHERS 1910; New York dealers' collections, ZAHL 2098.

Longevity.—Common Tern 23 years old, AUSTIN 91; Cuban Redwing 15 years old, DAVIS 454; Chimney Swift, 13 years old, HIGHT 813.

Parasites.—Of wild geese, DUBINA 507; Mallophaga in nests, EICHLER 521; On Madagascar birds' feathers, GAUD 608; Mallophaga as help to classification, TIMMERMAN 1872; Infestation by *Protocalliphora*, WOOD 2069.

Enemies and Defence.—Reaction to Jays, GOODWIN 669; Gulls and Lapwings, MATTHEWS 1214; Choice of prey and modes of hunting by predatory birds, RUDEBECK 1585; Displacement-sleeping, SIMMONS & CROWE 1702; Stoat and Stilts, TILY 1871.

Pathology and Disease.—Quail malaria in New Mexico, CAMPBELL & LEE 355; Pseudotuberculosis, CLAPHAM 395; Epizootic disease in Shearwaters, DANE & OTHERS 444, STOKER & MILES 1778; Trichomoniasis in doves, HERMAN 798; Parrakeet eye disease, LAKE 1056; Domestic poultry diseases now endemic in Indian jungle, MORRIS 1304; Ostrich, NOUVEL 1374; Temperature and glykemia in pigeon, PAVLOVIC 1414; Bird pox in New Zealand, WESTERSKOV 2009.

Mortality.—Local Devonshire note, BUCKLAND 319; Electrocution, DEXTER 480; Slugs eating nestlings, DIESELHORST 485; Coots' misadventures, BURNIER 333, FALLET 551; Deaths in London Zoo, HILL 822; Dipper eaten by trout, JOHNSON 923; Oil menace, KUHLEMAN 1017, TOSCHI 1888; Migrants in Cape Province, S.A., MACLEOD & MURRAY 1177; Grebe choked by fish, PONCY 1465; Birds caught by bivalve molluscs, RITTINGHAUS 1558; Nestlings entangled, STEINBACHER 1767.

III.—DISTRIBUTION

(a) GEOGRAPHICAL PALAEARCTIC REGION

England.—Bedfordshire, KEY 967; Berkshire, ALEXANDER 36; Bristol, DAVIS & CHADWICK 451; Cambridge, NISBET & VINE 1361; Cheshire, ELLISON 531; Cumberland, PHILIPSON 1444; Derbyshire, MARSHALL 1204; Devon, WILLIAMSON 2053; Dorset, BULL 322, ROOKE 1570; Essex, BURNS 334, FRIEDLEIN 590; Gloucestershire, CHARTERIS 376; Hampshire, ANON. 10; Herefordshire, GILBERT & WALKER 634; Hertfordshire, FORDHAM 585, HOBBS 825, LINSALL 1115; Huntingdonshire, ANON. 13; Lake District, BLEZARD 216, BROWN 299, STOKOE 1779; Lancashire, EDMUNDSON 517 OAKES 1380; Leicestershire, NICHOLSON 1348; Lincolnshire, COX 425; City of London, FITTER & LOUSLEY 575; London, ANON. 3, HOMES 848 KEYWOOD & MELLUISH 968; Middlesex, BARTLETT 129; Northamptonshire, ALEXANDER 32, FELTON 560; Northumberland &

Durham, TEMPERLEY 1848; Oxfordshire, CAMPBELL 353; Reading, DOUGLAS 499; Somerset, KING 974, TAYLOR 1847; Suffolk, PAYN 1415, WESTALL 2001; Sussex, HARBER 750; Thames Valley, VEYSEY 1949; Warwickshire, FIRCHER 567, HUGHES 873; Wiltshire, BARNES & PEIRSON 120; Worcestershire, ALEXANDER 34; Yorkshire, CHISLETT 383, TAYLOR 1840.

Wales.—Pembrokeshire, CONDER 408; Skokholm I., CONDER 410; R. Dovey, CONDRY 412; Bardsey I., NORRIS 1371; St. Tudwal I., THEARLE & OTHERS 1854.

Scotland.—BAXTER & RINTOUL 140; SCHOU 1636; Ailsa Craig, GIBSON 630; Edinburgh, ANDREW 63; Glasgow, GIBSON 631; Clyde area, MEIKLEJOHN & PALMAR 1244.

Ireland.—MURPHY 1322, RUTLEDGE 1592; Dublin, MITCHELL 1275.

Smaller British Islands.—St. Kilda, BAGENAL 130; Shetland, KAY 956; Farne Is., BEUSEKOM 196, TINBERGEN 1875, WATT 1986.

Channel Islands.—Guernsey, CAREY 362.

France.—ETCHÉCOPAR 543, DOUARD 496, MAYAUD 1224; Breton islands, KOWALSKI 1007; Loir-et-Cher, REBOUSSIN 1518; St. Quentin, BOUTINOT 258.

Belgium.—BENEDIN 155, JACOBS 901, NEF 1336; RAPPE 1510, RAPPE & OTHERS 1512; Louvain, HERROELEN 801.

Holland.—KATE 951; Amsterdam, WALTERS 1985.

Denmark.—ANDERSEN 59; CHRISTIANSEN 385, DONARK 492, LØPENTHIN 1129, POULSEN 1472, HOLSTEIN 846, SALOMONSEN 1603; Hørsholmene, POULSEN 1474.

Sweden.—ANDERSSON & OTHERS 61, BUCHT 317, DELJE & OTHERS 471, ENGSTRÖM 535, JENNING 911, NILSSON & OTHERS 1360; NIELSON 1354, RÖSIÖ 1578, LUNDEVALL & OTHERS 1141, SVÄRDSON 1818; Baltic islands, FLACH 577; Lappland, NORDIN 1365, WEDÉRUS 1991.

Norway.—HOLGERSEN 840; Lista, GRIFFIN & NISBET 691; Finnmark, TAYLOR 1845.

Iceland.—TAYLOR 1844.

Finland.—ARTIMO 79, 80, BÄCK 100, EHRSTRÖM 520, JOHANSSON 922, JOETHE 656, MUNSTERHJELM 1320, NORDSTRÖM 1368, REUTER 1528, SAMMALISTO 1606.

Spitzbergen.—CONGREVE 414.

U.S.S.R.—BEME 154, DEMENTIEV & CHLADKOV 474, KIRIKOV 983, ZERNOVA & PAVLOVSKOGO 2099; Trans-Carpathia, KISTYAKOVSKI 985; Caspian Sea, IVANOV 898; Karelian-Finnish Republic, GIBET 629; Sandy territory of Volga-Ural, KELEINIKOV 958; Kola Peninsula, NOVIKOV 1378; Northern Krzakhstan, VLADIMIRSKAYA & MEZHENNI 1954; Stalingrad Province, YUDIN 2094; Krasnoyarsk land, YUDIN 2095.

Switzerland.—AMBERG 57, BRUNNER 307, BURCKHARDT 328, GÉROUDET 621; Aargau, HALLER 740; Fribourg, STRAHM 1787; Haute-Broye, PACCAUD 1396; Untersee, NOLL 1364; Zürich, SCHINZ 1627.

Hungary.—Mecsek Mountains, HORVÁTH 861.

Poland.—SOKOŁOWSKI 1733, SZEZEPSKI 1827; Lake Druzno, KARCEWSKI 949.

Germany.—DIETZ 486, KIEFER 969, KLEINSCHMIDT 989, KUHLEMANN 1016, LÜDERS 1134, MEIJERING 1242, MÜNCH 1317; Bavaria, GERBER 611, STADLER 1747, WÜST 2077; East Prussia, DIERSCHKE 488; Memmert, SKIBA 1708; Osnabruck, KUMERLOEVE 1026; Pomerania, RUTHKE 1588; Mellum, TANTZEN 1836; Hesse, ROMMEL 1568; Harz Mountains, LEHMANN 1090, STRESEMANN 1796, THEIN 1857; Saxony, BERNDT 187, BIET 201, GERDES 612, KUMERLOESE 1025, VOLLBRECHT 1968, REHM 1523; Schleswig-Holstein, REINSCH 1524; Württemberg, LEIBBRAND 1095, LÖHRL 1124, MÖRIKE 1301.

Austria.—KEPKA 962, TRATZ 1894, 1895.

Balkans.—BOETTICHER 236, PROFFT 1486.

Yugo-Slavia.—MATVEJEV 1221.

Italy.—BRANDOLINI & OTHERS 267, CARANDINI 359, GOLFETTO 660, MOLTONI 1283; Abruzzi, VAUGHAN 1928;

Montecristo I., GUERRA 706; I. di Giannutri, TOSCHI 1891; I. di Montecristo, TOSCHI 1892; Tuscany, CATERINI 368.

Spain and Portugal.—JORDANS & STEINBACHER 935, SAEZ-ROYUELA 1599, THEMIDO 1858.

Mediterranean.—Filfla I., C—344a; Cyprus, STRESEMANN 1794; Sardinia, STEINBACHER 1766.

North Africa.—MOROCCO, BANNERMAN 115, HÜE 869, SEURAT 1672; Tunis, BLANCHET 211; ETCHÉCOPAR & HUE 544.

Near East.—Arabia, SCHAUENSEE & RIPLEY 1619; Israel, SMOLLY 1723; Persian Caspian, MISONNE 1274; Iraq, ALLOUSE 48.

Tibet.—KOZLOVA 1008.

Japan.—AUSTIN & KURODA 93, FENNELL 561, HACHISUKA 730, KUNO 1033, KURODA 1036, 1039, MORI 1300, NAKAMURA 1332, UDAGAWA 1904, TAKASHIMA 1830; Mitstogé-pass, NAKAMURA 1330.

AUSTRALIAN REGION and POLYNESIA

Australian Commonwealth.—AUSTIN 90, BINNS 203, CHISHOLM 382, HANKS 746, KEAST 957, LEARMONTH 1084, WHEELER 2021; Central Australia, JARMAN 905; Monte Bello Islands, WEDD 1990; Queensland, LEITCH 1096, STORR 1786, WHITTILL 2033; Cape York, Queensland, MACK 1165; Victoria, HITCHCOCK 824, SHANKS 1673; Terang, Victoria, BINNS 202; South Australia, BOEHM 231, GLOVER 647, STORR 1785; Western Australia, SEDGWICK 1660, SERVETZ 1670; Tasmania, WALL 1981.

New Zealand.—ANDREWS & OTHERS 64, CUNNINGHAM & OTHERS 436, CUNNINGHAM 438, FALLA 548, ORN. SOC. N.Z. 1390, ROBERTS 1560, SIBSON 1690, STIDOLPH 1777, WALKER 1974, WESTERSKOV 2007; Fiordland National Park, POOLE 1466; Stewart I., USHER 1912.

Pacific Islands.—Krakatau I., HOOGERWERF 856; Papete, ANON. 22; New Guinea, GILLIARD 637; Hawaii, SCHWARTZ 1657.

ETHIOPIAN REGION

West Africa.—BANNERMAN 114.
FARRAGAN 546; BELGIAN CONGO
CHAMON 375. HERRING 804. 805.
PILGROVE 1483. SCHOUTEN 1637-
1645. VERHEYEN 1941. VERRILL 1971.
AIR VILLERS 1951. LEWIS 1105:
GARDNER, BEERLIE 161; LEE, EDWARD
PILGROVE 1485; FRENCH CAMEROON
GORD 662; GOLF OF GUINEA ARADON
52; OUTENHOF-CHAM. BRANDON 213;
TODD & DARTMOUTH DESPENSER 467;
NIGHTIE MOUNGHEM 1174. MARGHEANT
1196. SHARLAND 1678.

South Africa.—RUTHERFORD 1584.
VINCENT 1952; CLARK PEARSON, TAY-
LOR 1842; S.W. CLARK STANFORD
1756; KRUGER NATURAL PARK MIER-
TENS 1256; MANDORIELLO LUTIN 895;
NIVERSHED BENSON 161. PETERS &
LOWENHOF 1433; SOUTH-WEST AFRICA
HOESER 826; SOUTHERN RHODESIA
HAWLING 741. LEWIS 894; MOUNGHEM
LARK 1058; PONT 1459.
ROSA PONT & LARK 1575. SARABER 1596.

Madagascar.—MILLOT 1272.

Central and East Africa.—
MADENWORTH-PERAZ & GRANT 1170.
WHITE 2025; EASTA SMITH 1718;
BANYOLA UGANDA FIDLEY & PERAZ
1540; KENYA PERAZ & FIDLEY 1429,
FIDLEY & PERAZ 1539; MARGHEANT
LYNN-ARLEN 1148; NORTHERN RHODESIA
CLAY 400; TANGANYIKA FROGGER-
COUCHMAN 597, 598.

ORIENTAL REGION

India and Pakistan.—ABDULAH
26. KINNEAR 980; ARAB. KINNEAR
1001; BIRAR 480-66; DODGE, THOMAS
886; KASHMIR LORIE 1126; MOUNT
WORTH 2074; NEPAL THOMAS 1467;
SINGERTHANS LARK 1078.

Ceylon.—GIBSON-MILL 633. PHIL-
LIPS 1446.

Burma.—MACKENZIE 1169.

Malaysia.—LARK 350; SINGE-
PONT LORIE 1127.

Indonesia.—PINK 1424; JANE
HODGES-WESS 851, 857; PILGROVE
21. SINGMONGEN 1604a.

Indo China.—SMITH, THOMAS 464;
LARK, STANLEY 1154; KINNEAR & LARK
1046. STEWART 1791; HOLT KEMP
DOWE & GOODHART 500.

NEOTROPICAL REGION

Central America.—TODD 1.
PANAMA WESTGATE 2014; BARTO
CONRAD L. PERAZ. VAN TONG
1924; GUATEMALA, TASHMAN 1837;
YUCATAN, HART & FISHER 771, PATTER-
N 1416.

West Indies.—HERRING 875;
REHMERS, VAN TONG & MAYFIELD
1926; REHMERS, SCHULTZ, TONG
1935. MARY 1228; CUBA, MOUNGHEM &
FERRELAND 1267; I. of PINE, CUBA
WALKERMAN 1978; JAMAICA, LEWIS
1105. PANTON 1399; CAYMAN I.
GARDNER, PETERSON 1458; TURKS
& CAICOS 147.

South America.—BELLING 184.
TONG 1882; VENEZUELA, AVELLAN &
GORD 94. AVELLAN & PONS 95;
GORD & NEFF 641. GORD & OTHERS
640. PHILIPS & PHILIPS 1438. NEFF
2051; BRITISH GUIANA, DOWE 457;
SURINAM, DOWE 441; SPANISH
GUAYANA 365. NORTON 1875. PONT
1460. RUTHER 1587; BOLIVIA, MONT-
GOMERY 1355; COLOMBIA, WEST-
GATE 2015; ECUADOR, SCHAFER 1618;
PERU, DOWE 241. KEMPNER
1003. SCHAFER 1618. BOWEN
2104; ARGENTINA, CAMPBELL 364.
COSTA 417. ESTERON 541. GALT 628.
PERU, 1430; CHILE, BARRIS 335.
GALAPAGOS 602.

NEARCTIC REGION

including MEXICO

Mexico. — SATCHEL 1630;
MONTGOMERY, DOWE 452; SUMNER
NORTH 1937; NEVADA, LUTHER 1123.

U.S.A. Pacific Coast and Rocky
Mts.—CALIFORNIA, GARDNER 360. FRY
1527. SALT 1605. TALLMAN 1833.
TONGHURST 1869; CANADA, FRY
880; BRIT. COLUMB. 930. VERNER
1448; MONTANA, BRADFORD 265.
HUNT 743; NEVADA, GARDNER 715.
MONTGOMERY & GALT 1202. PONTON &
GARDNER 1451; IDAHO, JEWETT 816.
TALLMAN 1858; IOWA, KEMPNER
972; MINNESOTA, BRADFORD 265.
SOUTH-DACOTA 321. FLORIDA & GORD 753.
JONES 830.

U.S.A. South Western.—TONG
SUTHERLAND 1773; CALIFORNIA, GARDNER
675. LEWIS & KEMPNER 1100.

U.S.A., North Central.—Minnesota, ALLEN 44, FLUGEM 581, ROSENWINKEL 1577; Minnesota, LUPIENT 1142, HOFHEND 830, LAKELA 1057, SPARKES 1738.

U.S.A., South Eastern.—Florida, RICE & MOCKFORD 1531; Arkansas, MEANLEY & NEFF 1235; Louisiana, JETER 915; Mississippi, VAIDEN 1914; Tennessee, BARBRIG & OTHERS 118, BEHREND 152, COFFEY 404, GANTER 603, MEMBERS 1252, PAYTON 1437, SCHULTZ 1635.

U.S.A., North Eastern.—Michigan, BERGER 172, WICKSTROM 2034, WOOD 2071; New York, EATON 513, PARKES 1404; Massachusetts, CHANDLER 373, DREY 506; New Jersey, CUTLER 440; Pennsylvania, CUTLER 440; Maryland, BOWEN 259.

Canada.—ANGON. 18, GODFREY 653; Manitoba, DAVIS 458; New Brunswick, SQUIRES 1746; Noddy Lake, KETWELL, HARPER 751; Banff National Park, BANFIELD 113; British Columbia, ANGON. 19, DICKINSON 483, GUGUET 713, JOBIN 918; Vancouver I., BEER 146, GUGUET 713; N.W.T., GODFREY 654, MACDONALD 1161; Yukon, BANFIELD 112, OMRY 505.

Alaska.—AMCHITKA I., KROG 1013; Mt. McKinley Nat. Park, MURIE 1321.

THE OCEANS

Arctic.—JAN MAYEN I., HOLMSEN 836.

Atlantic.—FAUCHEUX 556; Off West Africa, DOUGALD 497; Tristan da Cunha, ELLIOTT 527.

Indian Ocean.—SEICHELLES, FITZGERALD 576; MAURITIUS, ROBERTS 1579; Kerguelen I., MILON & JOUANN 1273, PAULIAN 1412.

Pacific.—MACQUERIE I., GWYNN 720.

Antarctic.—BIERMAN & VOOS 200a, FALLA 547; Adèle Land, CENDRON 371.

5. GEOLOGICAL

Oligocene. — New Zealand, MARPLES 1199.

Miocene. — Colombia, MILLER 1267.

Pliocene.—California, BRODKORB 280; Florida, BRODKORB 281.

Pleistocene.—Florida, BRODKORB 283.

IV.—SYSTEMATIC INDEX

The classification of Sharpe's "Hand-list" is here followed as regards orders and families.

Full references are given only in the cases of new genera and species when the figures in small Clarendon refer to volume number.

ARCHAEOPTERYGIFORMES

[No record.]

RHEIFORMES

[No record.]

STRUTHIONIFORMES

STRUTHIONIDAE

Struthio camelus note, GRANT 679; pathology, NOVEL 1374.

CASUARIIFORMES

DROMAEIDAE

**Dromas* minor types in Melbourne, GILL 635

CASUARIDAE

Casuarus dominicus possibly Arnhem Land, TINDALE 1880.

TINAMIFORMES

TINAMIDAE

Tinamus nigrostris *humboldtii* subsp. nov. BRAKE Fieldiana Zool. 34 : 199.

GALLIFORMES

CRACIDAE

Crax typhlops longirostris subsp. nov. CALCUTTA, WETMORE Smithsonian Misc. Coll. 122 : 1.

Penelope nasutus and *Crax parva* occurring during a migration, TAIPEI 1828.

TETRAONIDAE

Incubation, SEMENOV-T.-S. 1664.

Bonasa umbellus status in Tennessee, SCHULTZ 1655; "dancing" WORMER 2072; snake eater, ZORICHAK 2110; *B. u. phaios* life history, HUNGERFORD 876.

Lagopus mutus sanfordi status, GABRIELSON & LINCOLN 601.

Lyrurus tetrix display and mating behaviour, HOHN 832.

Pedioecetes phasianellus mass emigration in Alaska in 1934, CADE & BUCKLEY 347; *P. p. columbianus* status in Washington State, YOCOM 2093.

Tetrastes bonasia does it breed in Harz Mts., MÜLLER-USING 1315.

Tympanuchus spp. conservation in Kansas, BAKER 110.

PHASIANIDAE

Partridges of Ceylon, PHILLIPS 1447.

Alectoris graeca overwintering in Nevada, CHRISTENSEN 384; *A. g. chukar* status in New Zealand, MARPLES & GURR 1201; *A. g. saxatilis* German note, JAKOBS 902; German note, MÜLLER-USING 1314; German note, MURR & BODENSTEIN 1324; *A. rufa* unusual nest, CHETTLEBURGH 380; voice and behaviour, GOODWIN 674.

Arborophila atrogularis rupchandi subsp. nov. Assam, KOELZ J. zool. Soc. India 4: 155.

Bambusicola thoracica albino, HACHISUKA 731.

Coturnix coturnix beneficial to agriculture, KEVE & OTHERS 966.

Grossoptilon × *Gennaeus* hybrid, GHIGI 626.

Francolinus coqui races, WHITE 2023; *F. levalliantoides wattii* subsp. nov. S.-W. Africa, MACDONALD Bull. B.O.C. 73: 36; *F. natalensis thamnobium* subsp. nov. CLANCEY Durban Mus. Novit. 4: 59.

Lophophorus impeyanus geographical variation, DELACOUR 469.

Perdix perdix a nest-recording device, FANT 552; past and present status in Wales, MATHESON 1212; success of introduction into Canada, ROWAN 1583.

Phasianus × *Syrnaticus* hybrids, HACHISUKA 733.

Phasianus colchicus swimming, CHADWICK & KING 372; Correlation in cervicle muscles with *Perdix perdix*, BOER 232; Winter behaviour in Iowa, GRONDAHL 701; food habits in irrigated pasture in California, LEACH & OTHERS 1083; experiments in colouring cheeks of males, TRIMM 1898; results from ringing pen-reared birds in New Zealand, WESTERSKOV 2008; *P. c. karpowi* moult and movements in Korea, KURODA 1045; *P. torquatus* relationship to fox population, ARNOLD 75.

Pternistis cooperi status, MACKWORTH-PRAED & GRANT 1172.

NUMIDIDAE

Numida meleagris taxonomic note, WHITE 2029.

MELEAGRIDAE

Meleagris gallopavo vascular caruncles, LAURELLE & OTHERS 1077; *M. ocellata* note, URBAIN & DEKEYSER 1909.

ODONTOPHORIDAE

Callipepla squamata and other New Mexico quail populations and disease, CAMPBELL & LEE 355.

Colinus virginianus Oklahoma notes, DE ARMENT 461, INMAN 891, WINT 2056; pen-rearing, JONES & LANGSTON 933; New Zealand introductions, MCKENZIE 1167, GURR 717; climatic influences on population, ROBINSON & BAKER 1564.

Odontophorus atrifrons navai subsp. nov. Venezuela, AVELEDO & PONS 95.

TURNICIFORMES

TURNICIDAE

Turnix tanki blanfordii note, BIBIKOV 200.

COLUMBIFORMES

COLUMBIDAE

Popular account, GOODWIN 671.

Columba fasciata nesting study in N.-W. California, GLOVER 649; *C. livia domestica* sex-ratio, LIENHART 1106; *C.*

Oenas aggressive behaviour, DICKENS 481; dispersal, OTTER 1006; *C. palumbus* and *C. oenas* number of nests in Belgium, PAULUSSEN 1413; *C. palumbus* Finnish note, BERGMAN 175; song, HUXLEY & BROWN 879; correlation between jaw muscles and structure of skull, ROTH 1573; covering eggs, TRELF 1896.

Columbigallina talpacoti biological notes, HAVERSCHMIDT 779.

Crocopus phoenicopterus chlorogaster feeding on seeds, PILLAY 1456.

Geopelia cuneata breeding behaviour, STAHLBAUM 1752.

Leptotila plumbeiceps status in Colombia, BORRERO 245.

Ptilinopus superbus in Southeastern Australia, HINDWOOD 819; Plumage colour, VÖLKER 1966.

Streptopelia taxonomic review, TAIBEL 1829; *S. decaocto* in Coburg, Germany, BOETTCHER 236; Italian note, DE BEAUX 463, BASTIA 132; history of distribution in Europe, FISHER 571; first Swedish record, FONTAINE 583; first Swedish breeding record, STRÖMBERG 1803; German note, HEER 785; German note, KUHLMANN 1018; Swedish note, LUNDEVALL 1141; British 1952 record possibly an "escape", MAY & FISHER 1223; Danish breeding observations, wire nests, NOVURUP 1379; Status in Denmark, SALOMONSEN 1603; German note, SCHMITZ 1630; German breeding note, SCHOENNAGEL 1634, THIEL 1855; Voice, STEINBACHER 1765; German note, STRESEMANN 1795; in Cuxhaven, ZABEL 2096; *S. decipiens* races, WHITE 2027; *S. senegalensis* using wire in nest, CALDERWOOD 352.

Treron australis virens subsp. nov. Principe I., Gulf of Guinea, AMADON Bull. Amer. Mus. nat. Hist. 100: 411; *T. pompadora comoveri* subsp. nov. Nepal, RAND & FLEMING Fieldiana Zool. 34: 201.

Zenaida auriculata status in Colombia, BORRERO 245.

Zenaidura macroura food habits, CUMMINGS & QUAY 435; pair occupies same nest two successive years, STEWART & MACKEY 1774; *Z. m. carolinensis* incorrect Dominican record, LINCOLN 1112.

†DIDIDAE

†*Didus ineptus* extinction, HACHISUKA 726; egg, LATIMER 1074.

†*Pezophaps solitarius* territorial habits, ARMSTRONG 68.

OPISTHOCOMIFORMES

OPISTHOCOMIDAE

†*Hoazinoides magdalenae* gen. et. sp. nov. Miocene, Colombia, MILLER Auk 70: 484.

RALLIFORMES

RALLIDAE

Flight adaptations, SHTEGMAN 1686.

Fulica americana moult, GULLION 714; territorial behaviour, GULLION 716; *F. atra* choked by fish, BURNIER 333; trapped by mussel, FALLET 551; duration of dives, NIETHAMMER 1357.

Gallinula chloropus Norwegian note, HAGEN 735; note, RAPPE 1511; Swiss winter note, STEFFEN 1760.

Gallirallus australis note, ANON. 20.

Notornis sp. seen in 1910, ANON. 14; Japanese note on chick, HACHISUKA 732; *N. hochstetteri* notes 1951-52, ANON. 15.

Poliolimnas cinereus cinereus Malay note, CAIRNS 349.

Porzana parva in Hertfordshire, JENKINS 907; *P. plumbea* note, MORTON 1306; *P. pusilla* in Essex, PYMAN 1492.

†*Psammornis rothschildi* egg fragments in French West Africa, MONOD 1286.

Rallus elegans nesting studies in Arkansas, MEANLEY 1233; *R. philippensis ecoudata* taxonomic note, LYSAGHT 1150.

PODICIPEDIFORMES

PODICIPEDIDAE

Colymbus grisegena, mating habits, JOHNSTONE 927; *C. g. holböldii* nesting in Arctic Alaska, NELSON 1339.

Podiceps auritus former breeding in Denmark, LØPPENTHIN 1129; *P. caspicus* breeding in Belgium, JACOBS 901; choked by fish, PONCY 1465; *P. cristatus* ecology and economic significance, HÁNZÜK 748; note, INGRAM

890 ; 1952 census in London area, MELLISH 1251.

Podilymbus podiceps note, BAILEY 106 ; nesting ecology in Iowa, GLOVER 652.

COLYMBIFORMES

COLYMBIDAE

Colymbus taxonomic status, HARRISON & OTHERS 759 ; *C. adamsii* in Yorkshire, FENTON 563 ; German note, HENNEBERG 794 ; *C. arcticus* voice note, BODENSTEIN 229 ; observations at nest, BURNIER 332 ; *C. stellatus* taking off from the ground, PEAKALL 1417.

Gavia arctica viridigularis in Alaska, BAILEY 105 ; †*G. howardae* **sp. nov.** Pliocene, California, BRODKORB Condor 55 : 212 ; *G. immer* flight speed of 80–100 m.p.h., PITTMAN 1461 ; pelvic musculature, WILCOX 2036 ; *G. i. elasson* the name for Florida race, BRODKORB 282 ; Status, GABRIELSON & LINCOLN 600.

SPHENISCIFORMES

SPHENISCIDAE

Japanese note, TAKASHIMA 1831.

†*Archaeospheniscus* **gen. nov.** MARPLES Palaeont. Bull. N.Z. 20 : 40. *A. lowei* and *A. lopdelli* **spp. nov.** Oligocene, New Zealand, MARPLES t.c. : 40–41.

Aptenodytes forsteri Embryology, GLENISTER 644 ; breeding behaviour, PRÉVOST 1481 ; breeding biology, STONEHOUSE 1781 ; *A. patagonica* young reared in captivity, YEALLAND 2089.

†*Duntronornis* **gen. nov.** MARPLES Paleont. Bull. N.Z. 20 : 42. *D. parvus* **sp. nov.** Oligocene, New Zealand, MARPLES t.c. : 42.

Eudyptes spp. egg-laying and incubation periods, GWYNN 721 ; *E. chrysolophus schlegeli* taxonomic note, JOUANIN & PRÉVOST 939 ; *E. robustus* **sp. nov.** Snakes I., N.Z., OLIVER Emu 53 : 187 ; *E. schlegeli* Tasmanian notes, CASHION 367.

†*Korora* **gen. nov.** MARPLES Palaeont. Bull. N.Z. 20 : 43. *K. oliveri* **sp. nov.** Oligocene, New Zealand, MARPLES t.c. : 43.

†*Notodyptes wimani* **gen. et. sp. nov.** Oligocene, Seymour I., MARPLES Falkland I. D. S. scient. Rep. no. 5 : 11.

†*Platydyptes* **gen. nov.** MARPLES Palaeont. Bull. N.Z. 20 : 37. *P. amicus* **sp. nov.** Oligocene, New Zealand, MARPLES t.c. : 39.

Pucheranphus adeliae breeding biology, SLADEN 1716.

Pygoscelis adeliae moult, CENDRON 370 ; thermoregulation of chick, SAPIN-JALOUSTRE 1608 ; photographic study, SAPIN-JALOUSTRE & CENDRON 1609.

Spheniscus demersus development of chondrocranium, CROMPTON 429 ; *S. magellanicus* economic importance in Argentine, CARRARA 364.

PROCELLARIIFORMES

Pelagic distribution, OORDT & KRUIJT 1388.

HYDROBATIDAE (olim PROCELLARIIDAE)

Halocyptena microsoma nidification, JOUANIN 938.

Hydrobates pelagicus nidification, BOUTINOT 257.

Pelagodroma marina eadesi **subsp. nov.** Cape Verde I., BOURNE Bull. B.O.C. 73 : 81.

Oceanodroma leucorhoa in Britain 1952, BOYD 262 ; French note, HERTZOG 806 ; French note, JOUANIN 937 ; occurrence in Belgium, 1952, LIPPENS 1117.

PROCELLARIIDAE (olim PUFFINIDAE)

Taxonomic notes, GRANT & MACK-WORTH-PRAED 687 ; Ecology of antarctic spp. on Adelia land, PRÉVOST 1482.

Fulmarus glacialis of Cape Searle, Canada, WYNN-EDWARDS 2079 ; *F. glacialis* breeding behaviour, PRÉVOST 1481.

Macronectes giganteus "White phase" off Cape Town, RAND & LIVERSIDGE 1508.

Puffinus assimilis taxonomic note, HARRISON & GRANT 757, FLEMING & SERVETZ 580 ; *P. kuhli* sustained gliding flight, LAMPREY 1062 ; *P.*

therminieri bailloni note, COURTENAY-LATIMER 421; *P. puffinus* epizootic disease, DANE & OTHERS 444; navigation experiments, MATTHEWS 1217; travels 3200 miles in 12½ days, MAZZEO 1232; *P. p. mauretanicus* in English Channel, HARBER 749; *P. p. puffinus* Swiss note, SUTTER 1811.

DIOMEDEIDAE

Notes on South African spp. COURTENAY-LATIMER 420.

Galapagnis correction, BOETTCHER Anz. Orn. Ges. Bay. 4: 80.

Diomedea epomophora sanfordi biology, of post-egg period, RICHDALE 1536; *D. melanophrys* in Derbyshire, MACDONALD 1154.

ALCIFORMES

ALCIDAE

Migrations of British Auks, THOMSON 1861.

Plautus alle migration observations, SNYDER 1728; in Saxony, REHM 1522.

Synthliboramphus antiquus popular note, GUIGUET 712; on Lake Erie, HANDLEY 744.

Uria and *Cepphus* a comparison of variation, behaviour and evolution, STORER 1784; *U. aalge* incubating two eggs, ENTWISTLE & OTHERS 538; bathing actions, FRY 596; *U. lomvia arra* Japanese record, TASHIRO 1838.

LARIFORMES

LARIDAE

Body temperatures of young Gulls, BARTH 125; Observational study in Southampton Water, CROOK 430; Structure of surface of wings, SHESTAKOVA 1683; Terns on Lake Takoma, Oklahoma, SUTTON 1813.

Chlidonias albigstrata New Zealand notes, SLADDEN 1715; *Chlidonias nigra surinamensis* an insect-eater, SHEPPARD 1682.

Hydroprogne tschegrava note, MÜLLER 1311.

Larus argentatus experimental breeding studies, GOETHE 655; social habits, GOETHE 657; economic status in New Brunswick, PIMLOTT 1457; general study of biology and psycho-

logy, TINBERGEN 1874; *L. atricilla* taxonomic notes, PARKES 1402; *L. bulleri* and *L. novaehollandiae* notes on immature plumages, CUNNINGHAM 437; *L. californicus* plumage cycle, BEHLE & SELANDER 151; *L. "capistratus"* note, HAZELWOOD & HARRISON 783; *L. dominicanus* breeding at high altitudes, OLIVER 1386; †*L. elmorei* sp. n. Pliocene, Florida, BRODKORB Wilson Bull. 65 p. 94; *L. fuscus* migrations, BARNES 119; a rare breeder in Germany, STEINIGER 1769; *L. glaucooides* long stay in Lanarkshire, HOPKINS & MEIKLEJOHN 860; *L. heermanni* popular note, WALKER 1975; *L. marinus* notes from Solway, JONSTON 934; *L. melanocephalus* in Norfolk, CLARKE 397; *L. novaehollandiae scopulinus* breeding age, GURR 718; *L. pipixcan* in British Columbia, PEARSE 1420; *L. ridibundus* habit note, BERGMAN 174; begging behaviour, GODWIN 665; melanism, LÉVÊQUE 1101; displacement activities, MOYNIHAN 1309; homing experiments, PETERSEN 1435; Swiss winter note, STRAHM 1789.

Pagophila eburnea on Lake Ontario, BASTIN 133.

Rissa brevirostris in Oregon, MUNRO 1319; *R. tridactyla* popular account, TINBERGEN 1877.

Sterna spp. French observations in Pyrenees, TERRY 1851; *S. albifrons sinensis* and *S. hirundo longipennis* in Japan, KOBAYASHI 996; *S. forsteri* breeding on San Francisco Bay, SIBLEY 1688a; *S. fuscata* note, JOUANIN 936; Marcus I. race, KURODA 1037; *S. hirundo* 23 years old, AUSTIN 91; migration in Western Hemisphere, AUSTIN 92; nesting inland in Lincolnshire, BOURNE 255; nesting on boat deck, GILL 636; Japanese note and genetic consideration, KURODA 1038; Swiss breeding colony, STRICKER & RYSER 1802; breeding note, THÖNEN 1867; *S. macrura* mating, ZIMMERMANN 2107; *S. macrura* and *S. hirundo* distinction in flight, RICHARDSON 1534; *S. nereis* inquiry into status in N.Z., MACDONALD 1160.

Thalasseus bergii cristatus Japanese records, FUKUDA, KOBAYASHI 997.

STERCORARIDAE

Stercorarius longicaudus and *S. parasiticus* value of osteological characters,

KATE 952; *S. parasiticus* status in Caithness, PENNIE 1426; *S. pomarinus* South Australian note, MILES 1265; *S. skua* Scottish note, PENNIE 1427; *S. s. maccormicki* New Zealand record, FLEMING 579.

CHARADRIIFORMES

CHARADRIIDAE

Snipe in Burma, HIGGINS 810; Systematic classification based on food composition, SHAPOSHNIKOV 1675; Predator-reactions of breeding birds, SIMMONS 1700; Spring migration in Dombes, France, VAUCHER 1927.

Actitis hypoleucos submerging, ELLIS 530; egg, LÖPPENTHIN 1130; melanism, MÜLLER 1311.

Arenaria interpres status on New Jersey coast, HEBARD 784; chromosomes, YAMASHINA & UDAGAWA 2086.

Bartramia longicauda in S.-W. Yukon Territory, BUSS 340; popular account, GRIMM 697.

Calidris bairdii in Sussex and Kent, FLUKE 582; *C. fuscicollis* in England, HARRISON & OTHERS 752; *C. maritima* on Baltic coast of Germany, BECKMANN 142; *C. temminckii* and *C. melanotos* Japanese records, KURODA 1041.

Capella gallinago history and conservation in Minnesota, ERICKSON 539; concealment, WESTERFRÖLKE 2003; *C. nigripennis* note, OATLEY 1382.

Charadrius spp. aggressive behaviour, SIMMONS 1701; *C. alexandrinus* and *C. hiaticula* territorial friction, WESTALL 2000; *C. dubius* German note, DATHE 447; general habits, SIMMONS 1699; *C. hiaticula* breeding notes from Denmark, POULSEN 1472; *C. hiaticula* and *C. alexandrinus* adoption study, RITTINGHAUS 1557; *C. leschenaulti* New Zealand notes, SIBSON 1691; *C. marginatus* races, GRANT & MACKWORTH-PRAED 683; *C. vociferus* note, BERGER 169.

Crocethia alba migration in northern Europe, FERDINAND 564; migration note from Sweden, LUNDEVALL 1138.

Cursorius rufus type locality, GRANT & MACKWORTH-PRAED 684.

Erolia alpina articola, Alaska and *E. a. hudsonia*, Hudson Bay, **subsp. nov.** TODD J. Wash. Acad. Sci. 43 3: 86-87; *E. minutilla* in New Zealand, STIDOLPH 1776.

Eudromias morinellus Swiss note, MEIER 1241.

Haematopus ostralegus flocking behaviour, WILLIAMSON 2048.

Himantopus himantopus breeding in Arabia, NORRIS 1370; New Zealand nest notes, STOKES 1780; Dutch breeding note, VLEUGEL & WILMINK 1957.

Limicola falcinellus in the Camargue, HOLLON & NICHOLSON 844.

Limosa haemastica nesting note, CONGDON 413; in British Columbia, JOBIN 918; *L. lapponica* German note, BRUNS 310.

Lobibyx novae-hollandiae winter nesting observations, BOURKE 250.

Numenius arquata eating winkles, FENTON 562; French nesting note, LAFERRÈRE 1054; nesting on river shingle-beds, PHILIPSON 1443; *N. minutus* in New Zealand, BRATHWAITE 269; *N. phaeopus* inland in Somerset, KING 975.

Phalaropus fulicarius in Utah, SCIPLE 1659; winter distribution, STANFORD 1754; wintering in Florida, WESTON 2011; *P. lobatus* near Delhi, ALEXANDER 35; note, BERNDT & REINECKE 188; Swiss note, MEIER 1240; Swiss note, MOUCHET 1307.

Philomachus pugnax colour change, HARRISON 754; breeding biology, MILDENBERGER 1264.

Pluvialis apricarius ecology, KUMARI 1023; *P. dominica fulva* migration note, MANSON-BAHR 1191.

Pluviorhynchus obscurus nest notes, MCKENZIE 1166.

Recurvirostra avosetta Havergate I. notes, BROWN 298, ELLIS 529; Danish note, LÜTZEN 1147; German notes, BOLLWEG 240, SACHS 1597; displacement-sleeping, SIMMONS & CROWE 1702.

Rostratula lenghalensis behaviour note, BROEKHUYSEN & STANFORD 288.

Scolopax rusticola Russian migration note, SEMENOV-T. S. 1665.

Tringa glareola in Australia, HINDWOOD & MCGILL **818**; *T. nebularia* in New Zealand, STIDOLPH **1777**; *T. ochropus* use of old nests of *Turdus ericetorum*, SWANBERG **1824**; *T. stagnatilis* in the Camargue, HOLLOM **843**; in Cheshire, RAINES & OTHERS **1498**; in N.-W. Germany, WESTERFRÖLKE **2004**; *T. totanus* fledging period is 23 days, ROBSON **1565**; *T. t. robusta* in Denmark, SALOMONSEN **1603**; *T. totanus* and *T. erythropus* feeding habits compared, PEAKALL **1418**.

Tryngites subruficollis in Northamptonshire, ALEXANDER **32**.

Vanellus vanellus note, BREMICKER **273**; distribution and behaviour in Britain, SPENCER **1741**.

Xenus cinereus in Co. Durham. EVANS **545**; in New Zealand in winter, SIBSON **1689**.

GLARIOLIDAE

Glareola lactea ecological notes from Mysore, WORTH **2076**; *G. pratincola maldivarum* in Japan, HACHISUKA **734**.

OTIDAE

Note on West African spp., NICOU **1350**.

Otis tetrax possible French breeding, CABANNES **344b**; Swiss note, CARRARA **363**.

GRUIFORMES

GRUIDAE

Japanese spp., TAKASHIMA **1830**.

Balearica regulorum col. pl. and note, LESTRADE **1099**.

Grus americana conservation, ALLEN **45**; Can it be saved? DAVIES **449**; crippled bird in Kansas, 1952, ROBINSON **1563**; *G. canadensis nesiotis* nesting and abundance, WALKINSHAW **1976**; *G. c. tabida* note, WALKINSHAW **1977**; *G. grus* Swiss note, BRUNNER **306**; in Italian fiction, MESSADAGLIA **1258**.

ARDEIFORMES

PLEGADIDAE

(olim IBIDIDAE)

Plegadis falcinellus peregrinus first breeding in West-Java, HOOGERWERF **854**.

THRESKIORNITHIDAE (olim PLATALEIDAE)

Platalea leucorodia French note, ETCHÉCOPAR **543**.

CICONIIDAE

Study of main arteries in region of heart, GLENNY **646**.

Ciconia ciconia legends, BOUET **249**; notes, BRINKMANN **278**; breeding results in Bavaria, DIETZ **486**; nesting note, EBER **515**; in Schleswig-Holstein, EMEIS **532**; in Bessarabia in 1940, HEER & SCHÖCH **786**; arrival and departure dates in Algeria, JESPERSEN **914**; young reared in Westphalia, KUHLMANN **1019**; German notes, SCHÜZ **1653**, SEILKOFF **1661**; *C. nigra* Swiss note, SUTER **1810**.

SCOPIDAE

Scopus umbretta stomach contents, SKEAD **1707**.

ARDEIDAE

Field characters of young Egrets, BROCKHUYSEN **286**; with red legs, HAVERSCHMIDT **780**; Psychology, KOENIG **1002**; "Red-legged" herons in New Zealand, WALKER **1973**.

Ardea cinerea, English population 1952, ALEXANDER **37**; note on distribution, DORST **495**; colour of feet, HÜE **870**; with red bill and legs, LAMM **1060**; development of eye muscles, WEDIN **1993**; *A. grayii* feeding habits, KIRKPATRICK **984**; *A. purpurea* in Lincolnshire, COX **425**; French breeding note, FERRY **566**; German note, SCHULTZ **1656**.

Ardeola ibis ibis in Massachusetts, DRURY **506**; *A. idae* in Belgian Congo, SCHOUTEDEN **1643**; Madagascar note, URSCH **1911**; *A. ralloides* description of nestling, VALVERDE **1920**.

Botaurus lentiginosus "freezing" in the open, BOURNE **254**; *B. stellaris* notes in captivity, LUNDEVALL **1140**;

Bubulcus ibis ibis present status in U.S.A., SPRUNT **1745**; in South America, HAVERSCHMIDT **775**.

Demigretta sacra note, PARQUIN **1401**.

Egretta alba first Danish record, BRANDT & LUND **268**; Swiss note, SERMET **1668**; *E. a. modesta* breeding

observation, KOBAYASHI 995; Japanese notes, KOBAYASHI 999; *E. garzetta* first Danish record, CHRISTIANSEN 385; French note, COMBLE 407; photos, HIGHAM & OTHERS 812; in England, WILLCOCKS & OTHERS 2038.

Ixobrychus minutus winter quarters, BURCKHARDT 326; photos, HIGHAM & OTHERS 811; Belgian note, MAERSCHALCK 1182; in Norfolk, RICHARDSON & HAYMAN 1535.

Nycticorax nycticorax Italian note, FRUGIS 595.

PHOENICOPTERIFORMES

PHOENICOPTERIDAE

Phoeniconaias minor Congo note, MESMAEKERS 1257.

†*Phoenicopterus foridanus* sp. nov. Pliocene, Florida, BRODKORB Nat. Hist. Misc. 124: 1; *P. ruber* mode of feeding, MIDDLEMISS 1262.

ANSERIFORMES

ANATIDAE

Courtship, GEYR VON SCHWEPFENBURG 625; Duck census in London area, 1951-1953, HOMES 848; Comparative behaviour studies, LORENZ 1132; Species composition, sex and age ratios and body weights in Minnesota, MARSHALL & HARRIS 1203; Geese in Schleswig-Holstein, RINGLEBEN 1550; Geese in Denmark, RØRTH 1574.

Aix sponsa nest-boxes and conservation, BELLROSE 153.

Anas acuta American race *A. a. tztizikoa* to be suppressed, PARKES 1401; *A. carolinensis* in Puerto Rico, BIAGGI 199; *A. cyanoptera* × *A. discors* hybrid, ANDERSON & MILLER 60; *A. formosa* in Italy, CARANDINI 358; *A. platyrhynchos* distraction display, ARMSTRONG 71; fledging observations, BERGMANN 177; nesting in Maine, COULTER 419; evening flight, HAURI 772; age features, LARIONOV 1068; Russian note, LARIONOV 1070; feeding on acorns, REDFORD 1519; unusual plumage, SAGE 1600; laying act, STEINBACHER 1764; hybrid plumage, MANSON-BAHR 1192; *A. p. wyvilliana*, status in Hawaii, SCHWARTZ 1657; *A. querquedula* thousands on

lake in Travancore-Cochin, INGLIS. 888; *A. (Nesonetta) gibberifrons* and *A. (N.) castanea* races, BOETTICHER 235.

Andichenodes melanopterus systematic status, BOETTICHER 239.

Anser albifrons gambelli, *Anas fulvigula maculosa* and *Chen caerulescens* new to Mexico, SAUNDERS 1610; *A. albifrons flavirostris* food and distribution in Britain, CADMAN 348; *A. anser* parasitic fauna, DUBININA 507; *A. a. albifrons* encounter behaviour, BOYD 261; *A. arvensis brachyrhynchus* possible moult-migration, TAYLOR 1841; *A. fabalis* Swiss note, RYSER 1595.

Aythya collaris breeding in Massachusetts, CHANDLER 373; *A. ferina* Swiss nesting, CAPT 357; *A. fuligula* Swiss note, HAURI 774; breeding behaviour in Gull colony, RAITASUO 1499; *A. novaeseelandiae* notes on nests, AXBEY 96.

Branta × *Anser* wild hybrid, KURODA 1035.

Branta canadensis occurring in Japan, KURODA 1040; nesting in Oklahoma, RIGGS & STARKS 1544; *B. c. interior* inter-family dominance, HANSON 747; *B. c. moffitti* nesting study in N.-E. California, MILLER & COLLINS 1269; *B. c. occidentalis* in Oregon, JEWETT 916; *B. leucopsis* photos, CHRISTIANSEN & CONGREVE 386; *B. nigricans* numbers and winter distribution in North America, LEOPOLD & SMITH 1098.

Bucephala apparent hybrid, SNYDER 1729; *B. clangula* in Sonora, Mexico, BOOTH 244; *B. c. americana* night rafting on Mississippi River, BRECKENRIDGE 271; *B. islandica* using old nests of *Corvus brachyrhynchus*, EDWARDS 518.

Clangula hyemalis German notes, KEPKA 961, WELLERSHAUS 1996.

Cygnus olor first Japanese record, YAMASHINA 2084.

Melanitta deglandi nesting in North Dakota, HUENECKE 872; *M. nigra* flight, BECKMANN 143.

Mergus merganser food habits, ALCORN 28; attacked by *Larus delawarensis* when fishing, LAMORE 1061.

Netta rufina in Galway, RUTTLEDGE 1591.

Oidemia nigra in Italy, FOSCHI 586.

Oxyura australis breeding notes, WHEELER 2020.

Somateria spp. seasonal changes, PORTENKO 1468; *S. mollissima* Dutch note, TINBERGEN 1876.

Tadorna tadorna in Dee Estuary, WILLIAMS 2047.

PELECANIFORMES

PHALACROCORACIDAE

Identification of New Zealand spp., FALLA 549.

Phalacrocorax auritus auritus economic study in Manitoba, McLEOD & BONDAR 1176; *P. carbo subcornoramus* note, CONRADS 415; *P. sulcirostris territorii* breeding notes from Java, HOOGERWERF 855.

SULIDAE

Sula leucogaster New Zealand note, STEIN 1762; *S. serrat* life history and population trends, WODZICKI & ROBERTSON 2059.

PHAETHONTIDAE

Phaethon rothschildi Japanese record, NAKAMURA 1331.

PELECANIDAE

Pelecanus erythrorhynchus temperature regulation in young, BARTHOLOMEW & OTHERS 128.

CATHARTIDIFORMES

CATHARTIDAE

Cathartes aura in New England and eastern Canada, BAGG & PARKER 101.

Coragyps atratus Maryland nesting note, SMYTH 1724.

ACCIPITRIFORMES

Biology of large birds of prey in Kenya, BROWN 296; Do they form a monophyletic group? JOLLIE 929; Recognising Ceylon spp., NORRIS 1373.

VULTURIDAE

Aegyptius monachus Italian note, MARZARO 1208.

Cyps coprotheres ringing nestlings, PATERSON 1410.

Neophron pernopterus in Norway in 1750? BERNSTROM 190.

† *Torgos tracheliotus todei* **forma nov.** KLEINSCHMIDT 988.

Vultur gryphus breeding in captivity, LINT 1116.

FALCONIDAE

Field identification of South African spp., HARWIN & MABERLY 768; Notes on German races, KLEINSCHMIDT 989.

Accipiter nisus population density, GRÖSSLER 702; *A. nisus Salamancæ* **subsp. nov.** Spain, JORDANS & STEINBACHER 935.

Aquila chrysaetos transport of prey, HAURI 773.

Buteo buteo migration behaviour, HERBERIGS 795; *Buteo brachyurus* status in Florida, MOORE & OTHERS 1288; *B. buteo* eats adders, STEINBACHER 1763; *B. lagopus* in Florida, HERBERT & SKELTON 797; *B. nitidus* note, SUTTON 1815; *B. platypterus* feeding on bats, NORRIS 1374; *B. rufinus* in South Africa, CLANCEY 392; *B. rufofuscus* observations at nest, NORGAR & LASBREY 1369.

Circus gallicus biology, BOUDOINT 248; incubation period, BROSSET 291; note, BUREAU 329; nidification in Central France, GUICHARD 709; review of observations in France, MAYAUD 1225; 17 years old, RIEGEL & KUHK 1542.

Circus aeruginosus clutch-size and nesting-success, HAVERSCHMIDT 778; † *C. eylesi* **sp. nov.** New Zealand, SCARLETT Rec. Canterbury [N.Z.] Mus. 6: 247; *C. macrourus* in Yorkshire, ANON. 6; breeding note, GOETHE & RINGLEBEN 659; breeding observations, SCHEVEN 1622.

Cuncuma leucogaster notes, BUCKLAND 318.

Elanus caeruleus sumatranus **subsp. nov.** Sumatra, SALOMONSEN 1604a (p. 210).

Falco spp. occurrence in Denmark, DONARK 492; *F. columbarius aescalon* high flying hunt, KUMERLOEVE 1031; *F. peregrinus* photos, AUGUR & OTHERS 85; breeding biology problem, DEMANDT 473; method of hunting, HAURI 774; perceptive powers, HYDE 881;

subsp. note from British Columbia. JOBIN 919; South Australian note, MILES 1265; Japanese breeding note, MOYER 1308; nidification on buildings, OLIVIER 1387; *F. p. personatus* note, CAMPBELL 356; *F. rusticus* behaviour of young bird. CADE 346; biological notes, HAGEN & BARTH 736; *F. r. canalicus* in Denmark. JENSEN 913; *F. r. obsolatus* in British Columbia, JOBIN 921; in Finland, MUNSTERHJELM 1320; *F. sparrmanni* colour pattern. CLAY 401; robbing nest boxes, DRINKWATER 503; *F. subviger* Observations in Victoria, AUSTIN 89; *F. tinunculus* nest note, LIERATH 1109; food habits, PRZYGODDA 1489.

Gypaetus barbatus East African note. HOOK 858; in Corsica, LARSON 1072.

Gypohierax angolensis habits and observations at nest, AUSTIN 88.

Haliaeetus albicilla note, ASCHENBORN 81; fossil bones, JUNGE 940; in France, POTY 1471; *H. leucocephalus* identity of Audubon's "Bird of Washington", MENGEL 1253; *H. leucogaster* Dutch note, SODY 1732; *H. leucorhynchus* in Manchuria, WOLFE 2061.

Hemiteles melanosterna method of destroying Emu's eggs. LEITCH 1096.

Hieracius ayresii nestling attacked by shrike, BROWN 297.

Limnortops nipalensis kalaarti the devil bird of Ceylon, SPITTEL 1743.

Pernis ptilorhynchus migration note. GUICHARD 708.

Ruficollis sociabilis extermination through drainage of habitat. SCHRODER 1647.

Spizaetus nannus stresemanni subsp. nov. Nias Is., AMADON Ibis 95: 498.

Urubaes andax notes, LEITCH 1097.

PANDIONIDAE

Pandion haliaetus Red Sea note. COWLEY 423; French record, DURAND 510; Japanese breeding notes, KORA-YASHI 998; nest observations, PATEY 1411.

STRIGIFORMES

STRIGIDAE

Note on spp. of Belgian Congo. SCHOUTEDEN 1641.

Agrotis fuscus photos. BLOMGREN & ÖHRN 219; Italian note, FAVERO 558; voice and "Song" period. KUKK 1014; Swiss note, MEDER 1237.

Asio flammeus Baltic notes, BARBE 98, BECKMANN 143; food, ENGLÄNDER 534; *A. otus* analysis of food, KUMER-LOEVE & REMMERT 1032.

Athene noctua grass in stomach. POULTER 1475; *A. n. Grani* subsp. nov. Portugal, JORDAN & STEINBACHER 935.

Bubo bubo Bavarian note, MERS 1236.

Chrysolophus passerinii biology in breeding season. LUNG 1137; *Chrysolophus sinensis* in Belgian Congo. HERROELEN 803, SCHOUTEDEN 1641.

Nyctea scandiaca feeding habits during lemming scarcity, WIGGINS 2035.

Otus asio as predator of bats, BEER 150; observed bathing, CROWE 433; mortality notes in Tennessee, STUPKA 1805; *O. scops* Italian note, INDRI 885.

Phodilus Prigoginei sp. nov. L. Tanganyika, SCHOUTEDEN Rev. Zool. Bot. afr. 46: 423.

Speotyto cunicularia summer food. GLOVER 651; British Columbia note. JOBIN 920.

Strix alio aggressiveness. STEFFEN 1758; note, STEINIGER 1770; note. WORTELAERS 2073; *S. uralensis* photos. BLOMGREN & OTHERS 218; *S. a. alio* in Italy. TOSCHI 1889.

Strix alio photos. BLOMGREN & OTHERS 218.

Strix alio analysis of food. KAHMANN 945; food in Morocco. SAINT-GIRINS & PETTER 1601.

PSITTACIFORMES

PSITTACIDAE

Jaw muscles as evolution problem. HOFER 828; Osteology of skull. VLASBLOM 1955.

Aras chloroptera - *A. araneus* hybrid. AUBER & HILL 84.

Cyanerpes magisteris note. SINS 1703.

Melospiza undulata diffuse pigment. DRIESEN 501; development of sexual maturity. VAUGIEN 1929.

TROCHILIDAE

Popular note, BERLIOZ 185 ; management in captivity, RAVENTLOW 1515.

Amazilia edward ludibunda and *A. e. collata* **subsp. nov.** Panama, WETMORE Smithson. misc. Coll. 121 2 : 16-17.

Archilochus colubris popular note, PICKERING 1455.

Coeligena bonapartei consita **subsp. nov.** Venezuela, WETMORE & PHELPS Proc. biol. Soc. Wash. 65 : 135 ; *C. coeligena zuliana* **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66 : 1 ; *C. helianthea Tamai* **subsp. nov.** Venezuela, BERLIOZ & PHELPS Oiseau 23 : 1 ; *C. orina* **sp. nov.** Colombia, WETMORE Smithson. misc. Coll. 122 8 : 4.

Heliangelus amethysticollis violiceps **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66 : 2.

Lampornis clemenciae geographical variation, VAN TYNE 1925.

Myrtis fanny megalura **subsp. nov.** northern Peru, ZIMMER Amer. Mus. Novit. 1604 : 21.

Oreotrochilus spp. use of caves at high altitudes in Peru, PEARSON 1421.

Selasphorus rufus nesting in California, TALMADGE 1832.

COLIIDAE

Colius striatus note from Congo, AURELIAAN 86.

TROGONIFORMES

TROGONIDAE

Trogon massena note, SKUTCH 1710.

CUCULIFORMES

MUSOPHAGIDAE

Turacus hartlaubi note, WEBB 1987.

CUCULIDAE

Popular French account, BERLIOZ 182 ; Parasitic habits of Argentine spp., NEUNTEUFEL 1340 ; Notes on Brazil spp., SICK 1694.

Chalcites lucidus arrival dates in New Zealand, 1952, CUNNINGHAM 438.

Chrysococcyx caprius notes on nestlings, REED 1521 ; *C. klass* parasitising *Anaplectes rubriceps*, MASTERTON 1211.

Clamator glandarius Italian note, BOSA 246, MOTTONI 1282 ; French notes, HUE 871, VALVERDE 1920a.

Coccyzus americanus in Sussex, SIMMS 1697 ; in Shetland, HENDERSON & VENABLES 793 ; *C. erythrophthalmus* in Idaho, HUDSON 868b ; in Washington State, KING 978 ; German note, NIETHAMMER 1358.

Coua caerulea locomotor anatomy, BERGER 165 ; pterylosis, BERGER 173.

Cuculus canorus notes from high Alps, HAURI 773 ; eggs and breeding notes from Holland, HELLEBREKERS 787 ; with chafers in nest, LOKIETSCH 1128 ; Austrian nesting records, STENGER 1771 ; "hepaticus" variety and juvenile types, VOIPIO 1961 ; *C. micropterus micropterus* in Ceylon, PHILLIPS 1450.

Crotophaga sulcirostris feeding rate, RAND 1501 ; in Oklahoma, JONES 932 ; in Kansas, TORDOFF 1886.

Dromococcyx pavoninus note, NEUNTEUFEL 1340.

Geococcyx californianus northward extension, KIMSEY 973.

Scythrops novae-hollandiae in New Caledonia, HINDWOOD 820.

Surniculus lugubris soluensis and *S. l. chalybaeus* **subsp. nov.** Philippines, SALOMONSEN 1604a (p. 237).

Tapera and *Dromococcyx* field observations and habits, SICK 1693.

INDICATORIDAE

Key to spp., SCHOUTEDEN 1638.

CAPITONIDAE

Nests and eggs of Ceylon spp., PHILLIPS 1448.

Buccanodon olivacea woodwardi nidification, HOLLIDAY & TAIT 842.

Lybius torquatus taxonomic note, CLANCEY 388.

Megalaima haemacephala duetting, DILGER 490 ; *M. robustirostris* is juv. of *M. australis*, RIPLEY 1551 ; *M. virens indochinensis* **subsp. nov.** Indo-China, RAND Fieldiana Zool. 34 : 211.

PICIFORMES

Feeding adaptations and systematics,
BEECHER 149.

GALBULIDAE

Notes on Brazil spp., NOVAES 1375.

BUCCONIDAE

Nonnula frontalis stulta **subsp. nov.**
Panama, WETMORE Smithson. misc.
Coll. 122 8 : 3.

PICIDAE

'Drumming' notes, BRACKBILL 263 ;
nests and eggs of Ceylon spp., PHILLIPS
1448.

Campethera abingoni vibrator **subsp. nov.**
Southeastern Africa, CLANCEY
Ostrich 24 : 167.

Colaptes auratus luteus in south Idaho,
HOSKINS 862, THROCKMORTON.

Dendrocopos major note, BRAID 266 ;
D. medius eating pine seeds, HUBER
868 ; *D. moluccensis igorotus* **subsp. nov.**
Philippines, SALOMONSEN 1604a
(p. 272) ; *D. syriacus* further distribu-
tion, BAUER 136.

Dryobates major breeding note,
DANCKER 443 ; albino, MOLTONI
1283 ; *D. medius* Song, STADLER 1748.
Dryocopus martius Japanese note,
KUMAGAI 1022 ; *D. pileatus* forehead
colour, HOYT 866.

Jynx ruficollis Rougeoti **subsp. nov.**
Gabon, BERLIOZ Oiseau 23 : 66.

Picus aeruginosus note, SUTTON 1816.

Picumnus olivaceus perijanus **subsp. nov.**
Venezuela, PHELPS & PHELPS
Proc. biol. Soc. Wash. 66 : 3.

Picus canus drumming on metal,
PEITZMEIER 1422 ; *P. viridis* damage to
bee hives, ELLEMENT 526 ; biology,
LABITTE 1047.

Sphyrapicus varius, eastern race in
Colorado, BAILY 104 ; racial and
sexual differences, HOWELL 864.

Veniliornis sanguineus nesting notes,
HAVERSCHMIDT 776.

EURYLAEIMIFORMES

EURYLAEIMIDAE

Eurylaemus steerei mayri **subsp. nov.**
Philippines, SALOMONSEN 1604a (p.
268).

MENURIFORMES

MENURIDAE

Menura novae-hollandiae general habits,
SMITH 1719 ; *M. splendens* as "pets",
CHISHOLM 381.

PASSERIFORMES

A phylogeny of the Oscines,
BEECHER 148.

PTEROPLOCHIDAE

Scytalopus femoralis nigricans **subsp. nov.**
Venezuela, PHELPS & PHELPS
Proc. biol. Soc. Wash. 66 : 7.

FORMICARIIDAE

Dysithamnus mentalis viridis **subsp. nov.**
Venezuela, AVELEDO & PONS 95.

Formicarius rufipectus lasallei **subsp. nov.**
Venezuela, AVELEDO & GINES 94.

Thamnophilus punctatus and *Microrhophias quixensis* nest observations,
JOHNSON 924.

FURNARIIDAE

Review of Argentine spp., ESTEBAN
541.

Anabacerthia striaticollis perijana **subsp. nov.**
Venezuela, PHELPS & PHELPS
Proc. biol. Soc. Wash. 65 : 89.

Syndactyla mirandae validity, NOVAES
1376.

DENDROCOLAPTIDAE

Peru spp., BOND 241.

Dendrocincla homochroa meridionalis **subsp. nov.**
Venezuela, PHELPS & PHELPS
Proc. biol. Soc. Wash. 66 : 133.

Synallaxis gularis brunneidorsalis **subsp. nov.**
Venezuela, PHELPS & PHELPS
Proc. biol. Soc. Wash. 66 : 6 ; *S. unirufa munoztebari* **subsp. nov.**
Venezuela, PHELPS & PHELPS
Proc. biol. Soc. Wash. 66 : 4.

Xenops minutus olivaceus **subsp. nov.**
Venezuela, AVELEDO & PONS 95.

TYRANNIDAE

Incubation patch in males, PARKES
1400.

Acrochordopus zeledoni wetmorei **subsp. nov.**
Venezuela, AVELEDO & PONS
Mem. Soc. Cienc. nat. La Salle 13 :
203.

Aechmolphus mexicanus and *Xenotriccus callizonus* note, MOORE 1290.

Chlorospingus ophthalmicus ponsi **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 65 : 101.

Elaeemia flavogaster cristula **subsp. nov.** Panama, WETMORE Smithson. misc. Coll. 121 2 : 22 ; *E. pallatangae exsul* **subsp. nov.** Bolivia, TODD Ann. Carneg. Mus. 32 : 302.

Empidonax difficilis nesting in Washington State, KING 977 ; *E. traillii* differences in two races, ALDRICH 29 ; audio-spectrographs of song, KELLOGG & STEIN 959 ; variation, SNYDER 1730.

Euscarthmornis granadensis andinus **subsp. nov.** Colombia, TODD Ann. Carneg. Mus. 32 : 298 ; *E. granadensis intensus* **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 65 : 94.

Hemitriccus obsoletus naumburgae **subsp. nov.** Brazil, ZIMMER Amer. Mus. Novit. 1605 : 10.

Idioptilon mirandae Kaempferi **subsp. nov.** Brazil, ZIMMER Amer. Mus. Novit. 1605 : 8.

Inezia subflava saturator **subsp. nov.** Venezuela, TODD Ann. Carneg. Mus. 32 : 301.

Lophotriccus pileatus santaecruciae, Venezuela, and *S. p. hesperius*, Colombia, **subsp. nov.** TODD Ann. Carneg. Mus. 32 : 299-300.

Mionectes olivaceus improvisus **subsp. nov.** Colombia, TODD Ann. Carneg. Mus. 32 : 304.

Myiarchus ferox audens **subsp. nov.** Colombia, WETMORE Smithson. misc. Coll. 122 8 : 5 ; *M. f. orenocensis* **subsp. nov.** Venezuela, TODD Ann. Carneg. Mus. 32 : 293 ; *M. nuttingi* first record for U.S.A., DICKERMAN & PHILLIPS 482 ; *M. tuberculifer littoralis* **subsp. nov.** Costa Rica, ZIMMER Amer. Mus. Novit. 1605 : 1 ; *M. tyrannulus nelsoni* in the Florida Keys, SUTTON 1814.

Myiobius villosus schaeferi **subsp. nov.** Venezuela, AVELEDO & PONS 95.

Myiopagis viridicata restricta **subsp. nov.** Venezuela, TODD Ann. Carneg. Mus. 32 : 302.

Ochthodiaeta fumigata olivacea **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66 : 8.

Phaeomyias murina eremonoma **subsp. nov.** Panama, WETMORE Smithson. misc. Coll. 122 8 : 7.

Phyllomyias griseiceps quantulus **subsp. nov.** Panama, WETMORE Smithson. misc. Coll. 122 8 : 8.

Phylloscartes superciliaris griseocapillus **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 65 : 95.

Pitangus sulphuratus argentinus **subsp. nov.** Argentina, TODD Ann. Carneg. Mus. 32 : 291 ; *P. s. bolivianus* nest, ZUBERBÜHLER 2112.

Platyrhynchus flavigularis vividus **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 65 : 93.

Pogonotriccus ophthalmicus purus **subsp. nov.** Venezuela, TODD Ann. Carneg. Mus. 32 : 301 ; *P. poecilotis pifanoi* **subsp. nov.** Venezuela, AVELEDO & PONS 95.

Pyrocephalus rubinus in Colorado, FLAIRC 578.

Rhynchocyclus olivaceus sordidus Brazil and *R. o. tamborensis* Colombia **subsp. nov.** TODD Ann. Carneg. Mus. 32 296-297.

Todirostrum latirostre austroriparium **subsp. nov.** Brazil, TODD Ann. Carneg. Mus. 32 : 298 ; *T. plumbeiceps cinereipectus* **subsp. nov.** Brazil, NOVAES Rev. bras. Biol. 13 : 235.

Tolmomyias assimilis subtropicalis **subsp. nov.** Bolivia, TODD Ann. Carneg. Mus. 32 : 295.

Tyrannus melancholicus in California, LEGG 1088 ; *T. tyrannus* strange behaviour of a female, LAWRENCE 1081 ; popular account, OGBURN 1383.

PIPRIDAE

Machaeopterus regulus zulianus **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 65 : 91.

COTINGIDAE

Pachyrhamphus albogriseus coronatus **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66 : 135.

Pipreola arcuata viridicauda **subsp. nov.** Bolivia, SCHAUENSEE Proc. Acad. nat. Sci. Philad. 105 : 37.

PITTIDAE

Pitta nympha note, KURODA 1044.

ACANTHISITTIDAE
(olim XEMICIDAE)

Xenicus gilviventris rineyi **subsp. nov.**
New Zealand, FALLA Notornis 5 : 142 ;
its habits, RINEY 1547.

HIRUNDINIDAE

Results of insect shortage in Germany, BETTMANN 193 ; Results of post mortem on South African fatality, BROEKHUYSEN 287 ; migration through Austrian Alps, MYRES 1372 ; Italian note, TORNIELLI 1887.

Delichon urbica unusual display, BUTTERFIELD 341 ; in South West Africa, MALTZAHN 1186.

Hirundo cuttingi ernstmayri **nom. nov.** for *H. nipalensis nipalensis*, WOLTERS 2066 ; *H. daurica* English and Irish records, MEIKLEJOHN & OTHERS 1243 ; attracted by grass fires, PHILLIPS 1451 ; *H. obsoleta presaharica* **subsp. nov.** north Sahara, VAURIE Amer. Mus. Novit. no. 1640 : 1 ; *H. rustica* white rump, BODENSTEIN 227 ; devours *Tortrix* caterpillars, BODENSTEIN 230 ; growth and weight, GREUTZ 427 ; a Yorkshire census, CUTHBERTSON 439 ; South African notes, RUDEBECK 1584 ; *H. r. erythrogaster* life history, MASON 1209 ; *H. r. gutturalis* albino, KATO 954 ; *H. striolata mayri* **nom. nov.** for *H. substriolata*, HALL Ibis 95 : 547.

Iridoprocne bicolor molluscs fed to young, WHELAN 2022.

Progne subis attraction to an urban location and breeding observations, RICHMOND 1537.

Ptyonoprogne rupestris nest-sites and nidification, STRAHM 1790.

Riparia rupestris possible German nest, WÜST 2078.

Stelgidopteryx ruficollis notes, BLAKE 208, BERGSTROM 179.

MUSCICAPIDAE

A generic revision, VAURIE 1934.

Batis review of genus, RAND 1505 ; *B. molitor soror* taxonomic status, LAMM 1059.

Ficedula tricolor geographical variation, VAURIE 1932.

Muscicapa albicollis German note, LÖHRL 1125 ; *M. hypoleuca* observation on feeding young, HAARTMAN 725 ;

increase by artificial nests, LIKHATCHEV 1110 ; in Iberian Peninsular, SAEZ-ROYUELA 1598 ; *M. narcissina* Japanese nesting notes, HYUGA 883 ; *M. striata* feeding on ground, RUTLEDGE 1589 ; *M. westermanni australorientis*, Laos, *M. w. rabori*, Luzon, *M. w. mayri*, Timor, **subsp. nov.** RIPLEY Proc. biol. Soc. Wash. 65 : 72-73 ; *M. w. indochinensis* a synonym of *M. w. australorientis*, RIPLEY 1552.

Rhinomyias brunneata note, WHITE 2026.

Rhipidura leucophrys nesting note, LORD 1131.

Tarsiger cyanurus Finnish note, SOVININ 1735.

CAMPEPHAGIDAE

Edolisoma mcgregori peterseni **subsp. nov.** Philippines, SALOMONSEN 1604a (p. 276).

Pericrocotus cinnamomeus caturatus nest observations, HOOGERWERF 850 ; *P. solaris* and other *P. spp.*, HALL 739.

PYCNONOTIDAE

Chloropsis flavipennis mindanensis **subsp. nov.** Philippines, SALOMONSEN 1604a (p. 270).

Spizixos canifrons nobilis **subsp. nov.** Lushai Hills, Assam, KOELZ I. zool. Soc. India 4 : 154.

TIMALIIDAE

Cinclosoma punctatum nesting notes, HYEM 882.

Dryonastes caerulatus biswasi **subsp. nov.** Naga Hills Assam, KOELZ I zool. Soc. India 4 : 153.

Garrulax affinis muliensis **subsp. nov.** Western China, RAND Nat. Hist. Misc. 116 1953 : 5 ; *G. erythrocephalus kali* **subsp. nov.** Nepal, VAURIE Bull. B.O.C. 73 : 78 ; *G. striatus brahma Putra* **nom. nov.** for *Grammatoptila austeni* and *G. ocellatus maculipectus* **nom. nov.** for *Ianthocincla ocellata similis*, HACHISUKA Auk 70 : 91.

Mesia argentauris aureigularis **subsp. nov.** Tura, Assam, KOELZ J. zool. Soc. India 4 : 153.

Paradoxornis verreauxi beaulieui **subsp. nov.** Laos, RIPLEY Oiseau 23 : 90.

Pomatorhinus erythrogenys decarlei, *P. e. stoneae*, *P. c. sowerbyi*, *P. c. cowansae*,

subsp. nov. China, DEIGNAN Proc. biol. Soc. Wash. 65 : 121—122.

Stachyris melanothorax notes from Java, JANY 903.

Timalia pileata arundicola **subsp. nov.** Karong, Assam, KOELZ, J. Zool. Soc. India 4 : 153.

Turdoides caudatus and *T. altirostris* relationship, VAURIE 1933 ; *T. squamiceps muscatensis* **subsp. nov.** Muscat, SCHAUENSEE & RIPLEY Proc. Acad. nat. Sci. Philad. 105 : 85.

Yuhina flavicollis constantiae **subsp. nov.** Laos, RIPLEY Oiseau 23 : 91.

TROGLODYTIDAE

Cinnycerthia unirufa chakei **subsp. nov.** Venezuela, AVELEDO & GINES 94.

Cistothorus apolinari status in Bagota region, BORRERO 245.

Henicorhina leucophrys manastarae **subsp. nov.** Venezuela, AVELEDO & GINES 94.

Telmatodytes palustris in New Brunswick, PARKES 1405.

Troglodytes aëdon life history, SKUTCH 1711 ; *T. musculus* song, CASAL 366 ; *T. troglodytes* nidicoles and parasites, ARMSTRONG 72 ; powers of adaptation, SCAIFE 1613 ; rhythms in the breeding behaviour, WHITEHOUSE & ARMSTRONG 2031 ; *T. t. hebridensis* breeding biology, ARMSTRONG 69 ; *T. t. hirtensis* history and breeding biology, ARMSTRONG 70.

CINCLIDAE

Cinclus cinclus Danish note, ASTRUP 83 ; unusual nest-site, MASON 1210 ; *C. c. aquaticus* life history, RICHTER 1538.

MIMIDAE

Minus polyglottus in Alaska, BROWN 295 ; moult and plumage variations, MICHENER 1261.

Molothrus ater homing ability, MILLER 1266 ; general habits, NICKELL 1349 ; in Oregon, THATCHER 1853.

Toxoshoma rufum eye-colour, NICHOLS 1346.

TURDIDAE

Nocturnal migration in Ireland, BROWN 302 ; Note on spp. in Rhône Valley, HERBERIGS 796 ; Notes on Swiss spp., PACCAUD & GÉROUDET

1397 ; A revision, RIPLEY 1556 ; Biology of Belgian spp., VERHEYEN 1944.

Catharus aurantiostris barbaritoides **subsp. nov.** Venezuela, AVELEDO & GINES 94 ; *C. dryas maculatus* becomes *Turdus dryas sztolcmani*, *C. fuscater* becomes *Turdus mentalis berlepschi*, WOLTERS 2066.

Cercomela familiaris dodsoni and *C. f. richardi* **subsp. nov.** South Africa, MACDONALD Ibis 95 : 72—73.

Cosyphy caffra life history, ROWAN 1582 ; *C. insulana schoutedeni* **subsp. nov.** Belgian Congo, PRIGOGINE Rev. Zool. Bot. afr. 46 : 409.

Erithacus rubecula feeding in water, GOODWIN 670 ; polygamy, SHEPPERD 1681 ; *E. taiwan* **nom. nov.** for Bush-Robin of Formosa, HACHISUKA Bull. B.O.C. 73 : 33 ; *E. (Tarsiger) cyanurus* nesting note, HACHISUKA 729.

Erythropygia leucophrys status, BENSON 163.

Geocichla citrina systematic note, JANY 904.

Hylocichla fuscescens life history, DAY 460.

Luscinia luscinia Swedish note, KARVIK 950 ; *L. megarhyncha* as foster parent of Cuckoo, ANON. 8 ; German note, HARZ 770 ; malformed bill, SCHEITHE 1621 ; *L. suecica* German note, MÜLLER 1313 ; *L. s. cyaneula* in Northumberland, ENNION 537.

Monticola saxatilis Swiss note, STAEHEL 1751.

Myadestes townsendii in north Vancouver, RACEY 1495.

Oenanthe hispanica in London, HOLME & SIMMS 845 ; *O. oenanthe* hovering during sexual display, HAYWARD 781 ; *O. o. leucorrhoa* in Italy, LANZ 1067, MOLTONI 1281 ; migration, SNOW 1727 ; *O. o. seebohmi* in Morocco, BROSSET 292.

Phoenicurus ochruros Voice, LAFERRÈRE 1053 ; *P. o. gibraltariensis* double nest, GREINER 690 ; note, MÜNCH 1318 ; in Cologne in December, BETTMANN 191.

Saxicola caprata anderseni **subsp. nov.** Philippines, SALOMONSEN 1604A (p. 260) ; *S. torquata hibernans* taxonomic note, MEINERTZHAGEN 1245.

Seiurus noveboracensis in Washington State, HUDSON 868a.

Setophaga ruticilla in Imperial Valley, California, CARDIFF 361.

Turdus key to Argentine spp., COSTA 417; *T. albicollis purusensis* **nom. nov.** for *T. albicollis berlepschi*, WOLTERS 2066; *T. dauma* on Lundy I., DAVIS 456; *T. ericetorum* observations, SPENCER 1740; wintering in Sweden, SVENSON 1820; nesting on ground, WESSEL 1998; *T. fuscater clarus* **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66: 9; *T. gymnosphthalmos* albino, YEPEZ 2092; *T. merula* eyesight, ALTEVOGT 50; Dutch biological observations, BAAN 97; observation on a marked population in New Zealand, BULL 324; abnormal breeding behaviour, HERMANN 799; winter food in New Zealand, MCCANN 1153; behaviour note, SHANKS 1674; song, SCHMITT 1629; *T. migratorius* on Lundy I., DAVIS 455; photographs, CRUICKSHANK 434; movements in Nashville, Tennessee, LASKEY 1073; winter distribution east of the Rocky Mts., SPEIRS 1739; *T. musicus* effect of weather on migration, WILLIAMSON 2050; *T. pilaris* German note, KÖLTER 1005; Danish note, NIELSEN 1353; nest, ROMMEL 1567; breeding note, KUHLMANN 1018; in Hesse, ROMMEL 1567; expansion in central Europe, ROMMEL 1569; *T. poliocephalus katanglad* **subsp. nov.** Philippines, SALOMONSEN 1604a (p. 277); *T. viscivorus* eating fungus, HUBER 868.

PRUNELLIDAE

Prunella collaris races, GOODWIN 672; *P. modularis* migration note, BENEDEN 156; nest at 2.90 metres height, HERMEY 800.

SYLVIIDAE

Systematic position of genera *Ramphocaenus* and *Microbates*, RAND & TRAYLOR 1507; Migration of British spp., THOMSON 1862.

Acrocephalus spp. in Belgian Congo, SCHOUTEDEN 1645; *A. arundinaceus* and *A. scirpaceus* ringing results, NOLL 1363; *A. palustris* song, BODENSTEIN 225; imitates song of 22 spp., LENNERSTEDT & GILLIN 1097.

Bradypterus pryri Japanese note, MOMIYAMA 1285.

Calamocctor rufescens in Equatorial Africa, DOUAUD 498.

Calamornis rufescens nesting note, SERLE 1667.

Cisticola exilis cause of nest desertion, GIBSON & SEFTON 632; *C. juncidis leanyeri* **subsp. nov.** Northern Territory, Australia, GIVENS & HITCHCOCK Emu 53: 194 col. pl.; *C. lateralis vincenti* **subsp. nov.** Central Africa, CHAPIN Bull. B.O.C. 73: 84; *C. tinniens dyleffi* **subsp. nov.** L. Tanganyika, PRIGOGINE Rev. Zool. Bot. afr. 46: 407.

Hippolais icterina note, DATHE 448; *H. pallida* in Pembrokeshire, CONDER 408.

Locustella luscinioides in Eritrea, SMITH 1718.

Megalurus timoriensis crex and *M. t. mindorensis* **subsp. nov.** Philippines, SALOMONSEN 1604a (pp. 261-265).

Phylloscopus bonelli Swiss study, AMANN 56; nesting note and parasitisation, ZINDER 2108; *P. borealis* photos, SWANBERG & MCNEILE 1825; observations and photos at nest, SWANBERG 1823; Swedish note, ULFSTRAND 1907; *P. collybita* eating aphids in mid-winter, BURTON 338; as a bee-eater, LEHMANN 1089; sharing nest with *T. troglodytes*, MOHR 1298; *P. trivirgatus diuatae* and *P. t. flavostriatus* **subsp. nov.** Philippines SALOMONSEN 1604a (p. 243); *P. trochiloides* in Ireland, BROWNE 303; *P. t. viridanus* song, LUNDEVALL 1139; in Denmark, PALM 1398.

Prinia flaviventris fulviventris **subsp. nov.** Manipur, KOELZ J. Zool. Soc. India 4: 154; *P. gracilis carpenteri* **subsp. nov.** Muscat, SCHAUENSEE & RIPLEY Proc. Acad. nat. Sci. Philad. 105: 88.

Ramphocaenus rufiventris nest, EISENMANN 525.

Seicercus affinis affinis becomes *Phylloscopus intermedius* (? *ocularis*), *S. (Abroscopus) schisticeps schisticeps* becomes *Phylloscopus melanops melanops*, WOLTERS 2066.

Sericornis maculatus southwest Australian races, MAYR & WOLK 1231.

Sylvia atricapilla song, GÉROUDET 616; as mimic, KNIGHT 991; song, MÖRIKE 1302; in Switzerland in winter,

OPPLIGER 1389; wintering in Switzerland, POLL 1464; song, SCHWARZ 1658; *S. nisoria* biology in Lower Saxony, NIEBUHR 1351; German note, TAUTENHAHN 1839.

Sylvietta rufescens pallida extension of range, CLANCEY 393; *S. r. resurga* **subsp. nov.** CLANCEY Durban Mus. Novit. 4: 61; *S. ruficapilla gephyra*, *S. r. makayii* and *S. r. schoutedeni* **subsp. nov.** WHITE Bull. B.O.C. 73: 68-69.

VIREONIDAE

Hylophilus hypoxanthus ictericus **subsp. nov.** Bolivia, BOND Notul. Nat. Acad. Philad. no. 255: 9.

Neochloe brevipennis note, BRIGGS 276.

Vireo huttoni incubation period, MILLER 1268; *V. olivaceus* breeding biology, LAWRENCE 1080; in Ireland, RUTTLEDGE 1590.

LANIIDAE

Eopsaltria australis and other Australian 'robins', FAVALORO 557.

Falcundus frontatus geographic and individual variation, MAYR 1230.

Laniarius spp. colour phases, PRIGOGINE 1484; *L. hybridus* status, GRANT & MACKWORTH-PRAED 685.

Lanius collaris predator **subsp. nov.** CLANCEY Durban Mus. Novit. 4 1953: 62; *L. collurio* plumage note, BECKMANN 144; in Brittany LEBEURIER 1085; albino MAKOWSKI 1183; *L. excubitor* Danish note, JENSEN 912; *L. e. theresae* **subsp. nov.** Palestine, MEINERTZHAGEN Bull. B.O.C. 73: 72; *L. ludovicianus* note, STONER 1782; *L. minor* in Northumberland, ENNION 536; *L. senator* in British Isles, ANON. 7; first Swedish record, BROBERG 279; note, BURCKHARDT 327; influence of weather on Swedish records, EDELSTAM & SNELLMAN 516; *L. validirostris tertius* **subsp. nov.** Philippines, SALOMONSEN 1604a (p. 278).

Oreica gutturalis taxonomic note, MAYR 1230.

PARIDAE

Thread-pulling behaviour, ALTEVOGT 49; Ecological study of feeding habits of English spp., HARTLEY 766; Territorial behaviour and population density, KLUYVER & TINBERGEN 990.

Aegithalos caudatus flocking, FRIELINGHAUS 592.

Panurus biarmicus first record in Finland, SAMMALISTO 1606; voice, STADLER 1750.

Parus atricapillus note, PEITZMEIER 1423; *P. caeruleus* nest note, MARTINI 1207; *P. cristatus* Finnish note, HAARTMAN 724; winter food, THALENHORST 1852; *P. major* double nest, BEYER 198; roosting behaviour in captivity, DUNNETT & HINDE 508; "bed-time", GERMER 614; hierarchical behaviour, HINDE 815; as mimic, KÜHN 1020; nest box breeding, LIKHTCHEV 1111; ecology, MIKHEEV 1263; clutch size, MUSSELWHITE 1326; note, WOLTERS 2068; general biology, MORLEY 1303.

Remiz systematic note VOINSBRENSKI & TOROPANOVA 1958.

REGULIDAE

Regulus regulus late breeding, LEHMANN 1091.

SITTIDAE

Neositta pileata habits and nidification, MCGILP 1162.

Sitta europaea distributional history, *S. e. harrisoni* **subsp. nov.** Bulgaria, VOOUS & MARLE 1970.

CERTHIIDAE

Rhabdornis grandis **nom. nov.** for *R. longirostris* SALOMONSEN D.O.F.T. 47: 139.

Tichodroma muraria note, KUHK 1015; German note, SENK 1666.

ZOSTEROPIDAE

Oculocincta **gen. nov.** genotype *Zosterops squamifrons*, MEES Zool. Meded. 32: 64.

Zosterops montana diuatae **subsp. nov.** Philippines, SALOMONSEN 1604a (p. 280); *Z. novaeguineae aruensis* **subsp. nov.** MEES Zool. Meded. 32: 26; *Z. phyllicus* taxonomic status, MOREAU 1291.

DICAETIDAE

Dicaeum kampalili **nom. nov.** for *D. rubricapilla*, MANUEL & GILLIARD Auk 70: 90; *D. nigrilore diuatae* **subsp. nov.** Philippines, SALOMONSEN 1604a (p. 274).

NECTARINIIDAE

Aethopyga gouldiae Indian races, RIPLEY 1553; *A. primigenius diuatae* subsp. nov. Philippines, SALOMONSEN 1604a (p. 275); *A. saturata ariel* subsp. nov. Assam, KOELZ J. zool. Soc. India 4: 154.

Anthreptes malacensis birgitae subsp. nov. Philippines, SALOMONSEN 1604a (p. 251); *A. reichenowi yokanae* nest and eggs, WILLIAMS 2042.

Arachnothera longirostris randi subsp. nov. Philippines, SALOMONSEN 1604a (p. 271).

Chalcomitra amethystina amethystina life history, SKEAD 1706.

Cinnyris afer chapini subsp. nov. Belgian Congo, PRIGOGINE Rev. Zool. Bot. afr. 46: 411; *C. chalybeus capricornensis* taxonomic status, WILLIAMS 2043; *C. erikssoni* is a synonym of *C. afer ludovicensis*, WILLIAMS 2041; *C. mediocris bensoni* subsp. nov. Nyasaland, WILLIAMS Bull. Brit. orn. Cl. 73: 10; *C. minullus* French note, VOISIN 1963; *C. sovimanga buchenorum* subsp. nov. Aldabra Archip., WILLIAMS Ibis 95: 502; *C. sperata trochilus* subsp. nov. Philippines, SALOMONSEN 1604a (p. 256).

Cyanornitra cyanolaena octaviae subsp. nov. Cameroons, AMADON Bull. Amer. Mus. nat. Hist. 100: 427; *C. dussumieri* note, WILLIAMS 2045.

Nectarinia johnstoni note, YEALLAND 2088; *N. kilimensis* general habits, AURELIEN 87; *N. reichenowi shelleyae* subsp. nov. Belgian Congo, PRIGOGINE Rev. Zool. Bot. afr. 46: 414.

Neodrepanis hypoxantha note, WETMORE 2012.

MELIPHAGIDAE

Note on spp. of Brisbane, Queensland, JACK 900.

Anthornis melanura population recovery, ANON 21; status in North Auckland, TURBOTT 1901.

COMPSOTHYLPIDAE
(olim MNIOTILTIDAE)

Life histories of N. American Wood Warblers, BENT 164; Bibliography of Michigan Warblers, BERGER 172; North American spp. wintering in Cuba, EATON 514.

Basileuterus tristriatus perijanus subsp. nov. Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66: 137.

Dendroica caerulescens nesting observations from Michigan, WALKINSHAW & DYER 1980; *D. dominica albilora* note, GANIER 603; *D. fusca* nesting behaviour, LAWRENCE 1082; *D. kirtlandii* a census, MAYFIELD 1227; *D. palmarum* in California in winter, JOHNSTON 926; in California in autumn, LEGG 1087; *D. petechia* notes from Surinam, HAVER-SCHMIDT 777.

Geothlypis trichas life history, STEWART 1775.

Protonotaria citrea life history, WALKINSHAW 1979.

Setophaga picta in California, THORNBURGH 1869; *S. ruticilla* possible desert flight line, PULICH 1490.

Vermivora pinus "anting", DATER 446.

Wilsonia citrina in Manitoba, SUTTON 1817.

DREPANIIDAE

Recent records, RICHARDS & BALDWIN 1532.

MOTACILLIDAE

Anthus bogotensis meridae subsp. nov. Venezuela, ZIMMER Amer. Mus. Novit. no. 1649: 24; *A. campestris* photos, SWANBERG 1821; *A. cervinus* Italian note, VALENTINI 1918; *A. novaeseelandiae* with bird pox, WESTERSKOV 2009; *A. pratensis* swimming, KING 976; *A. p. theresae* subsp. nov. West Ireland, MEINERTZHAGEN Bull. B.O.C. 73: 43; *A. spinoletta littoralis* Danish note, NIELSEN 1352; German note, RINGLEBEN 1549; *A. trivialis* study of migration, SPAEPEN 1736.

Budytes flavus subsp. Spring migration in Italy, VALENTINI 1916.

Motacilla spp. German note, KUMERLOEVE 1030.

Motacilla alba spring migration, MERIKALLIO 1255; Swiss note, SCHINZ 1626; melanism, THEIN 1856; *M. a. yarrellii* feeding on fish-fry, SUMMERS 1808; *M. cinerea* one killing another, BASSETT 131; dispersion in Belgium, NEF 1336; *M. flava* migration note, BENEDEN 157; *M. f. feldegg* in Scotland, MACGREGOR & HAMILTON 1163.

ALAUDIDAE

Alauda spp. of Japan, KURODA 1043 ;
Rare British spp. at Fair I., WILLIAMSON 2049.

Alauda arvensis autumn migration in Ireland, GOODBODY 664.

Ammomanes deserti taimuri subsp. nov. Muscat, SCHAUENSEE & RIPLEY Proc. Acad. nat. Sci. Philad. 105 : 83.

Calandrella brachydactyla in Pembroke-shire, CONDER 408 ; *C. cinerea* French note, BLANCOU 212.

Certhilaudia taxonomy of spp. of Western South Africa, MACDONALD 1155 ; *C. albensens patal* and *C. a. cavei* subsp. nov. South Africa, MACDONALD Bull. Brit. Mus. (nat. Hist.) 111 1953 : 344 ; *C. albofasciata meinertzhageni* and *C. a. robertsi* subsp. nov. South Africa, MACDONALD Proc. Zool. Soc. Lond. 122 : 1000-1003.

Eremophila alpestris reaction of female to ringed young, BERGER 167 ; nesting in Mississippi, SMITH 1720.

Galerida cristata strange song post, BODENSTEIN 228.

Melanocorypha bimaculata meinertzhageni nom. nov. for *M. bimaculata rufescens*, WOLTERS 2066.

Mirafa africanoides macdonaldi subsp. nov. Ethiopia, WHITE Bull. B.O.C. 73 : 88.

CATAMPBLYRHYNCHIDAE

Catamblyrhynchus diadema federalis subsp. nov. Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66 : 141.

FRINGILLIDAE

Aimophila cassini in Oklahoma, GRABER 675.

Ammospiza caudacuta in Oklahoma, GRABER 675 ; in Tennessee, PEYTON 1437.

Ancanthis flammea sub-nival feeding in Alaska, CADE 345.

Atlapetes schistaceus fumidus subsp. nov. Venezuela, WETMORE & PHELPS Proc. biol. Soc. Wash. 66 : 13.

Calcarius pictus in Louisiana, JETER 915.

Carduelis flammea cabaret is the race in New Zealand, WESTERSKOV 2010 ; *C. f. disruptis* subsp. nov. CLANCEY Bull. B.O.C. 73 : 72 ; *C. flavirostris*

call note, MÜLLER 1312 ; Swiss note, SCHINZ 1625 ; *C. sibirica ussuriensis* nom. nov. for *Uragus sibiricus pontifex*, *C. punicea excelsa* nom. nov. for *Pyrrhospiza punicea longirostris*, *C. edwardsii tongluensis* nom. nov. for *Carpodacus edwardsii saturatus*, *C. mexicana moorei* nom. nov. for *Carpodacus mexicanus griscomi*, *C. kilimensis leucometopon* nom. nov. for *Poliospiza burtoni albifrons*, *C. carduelis frigoris* nom. nov. for *C. c. major*, *C. spinoides oustaleti* nom. nov. for *Chloris* ("Hypocanthis") *spinoides ambigua*, *C. cannabina guentheri* nom. nov. for *C. cannabina nana*, *C. elaeochlora* nom. nov. for *Spinus olivaceus*, *C. xanthomelana* nom. nov. for *Spinus uropygialis*, WOLTERS Bonn. Zool. Beitr. 3-4 : 279-280.

Carpodacus erythrinus in Somerset, KING 974 ; observations at nest, LIND 1113 ; German note, LÜTTISCHWAGER 1144 ; *C. mexicanus* origin and status in eastern U.S.A., ELLIOTT & ARBIB 528 ; *C. purpureus* breeding note, GRIMM 696.

Coccothraustes coccothraustes problems of ringing results, CROUSAZ 432 ; pairing with *Passer montanus*, BAUER 137.

Dolichonyx oryzivorus food habits, MEANLEY & NEFF 1234.

Emberiza caesia at sea, PHILLIPS 1452 ; *E. calandra* courtship flight, GÉROUDET 619 ; *E. cia* German note, LAUBMANN 1075 ; albino, WITZIG 2058 ; *E. citrinella* note, WEBER 1988 ; *E. hortulana* general biology, BRUNS 308 ; Italian note, KUMERLOEVE 1027 ; *E. leucophrys* taxonomic note, WETMORE 2013 ; *E. melanocephala* first Swedish record, GILLIN 639 ; *E. rustica* in Wales, CONDER 409.

Erythrura erythrura note, SCHEER 1620.

Fringilla coelebs flight song, BODENSTEIN 224 ; albino, DEBEAUX 462 ; nest in railway station roof, EGGLER 519 ; courtship and copulation, HINDE 814 ; weight changes and food consumption during sexual development, KOCH & BONT 1000 ; results from ringing nestlings, VERHEYEN & GRELE 1946 ; Finnish note, VOIPIO 1960 ; *F. montifringilla* 1950/51 invasion in Bernese Overlands, LANZ-WÄLCHLI 1066 ; mass invasion in Switzerland 1950-51, SCHIFFERLI 1624.

Hesperiphona vespertina note, BERGSTROM 178 ; recovery of ringed birds, PARKS 1403 ; summer notes, SHAUB 1680 ; *H. v. montana* Ridgway original description, ZIMMER 2103.

Junco hyemalis egg laying date depends on temperature, TANNER 1835 ; *J. vulcani* a primitive member of the genus, TORDOFF 1885.

Leucosticte tephrocotis littoralis notes on roosting flock, MEWALDT & FARNER 1259.

Linurgus olivaceus Prigoginei note, SCHOUTEDEN 1639.

Loxia spp. German invasion 1953, REYE 1529 ; *L. curvirostris* in Oklahoma, GRABER 675 ; plumages and races in northern Idaho, JOLLIE 928 ; French invasion, MAYAUD 1226 ; French notes, OWEN & OTHERS 1395 ; early breeding in East Anglia, ROBERTSON 1561 ; races in Utah, SELANDER 1662 ; colour changes in male, WEBER 1989 ; *L. leucoptera bifasciata* Swiss note, LEHNER 1093 ; *L. pytyopsittacus* Finnish note, JULETINEN 943.

Melospiza melodia migratory status, BRACKBILL 264 ; in Alberta in winter, HOHN 834.

Montifringilla davidiana potanini in India, MEINERTZHAGEN 1248.

Passerherbulus caudacutus in New Mexico, MONTGOMERY 1287.

Passerina ciris Variation, STORER 1783 ; *P. cyanea* in Alberta, HOHN 833.

Petronia supercilialis type locality, GRANT & CLANCEY 682.

Pinicola enucleator in British Columbia, HOLDOM 835.

Pipilo erythrophthalmus eye-colour, NICHOLS 1345.

Plectrophenax nivalis in eastern Tennessee, BEHREND 152 ; Italian note, VALENTINI 1917.

Pyrrhula pyrrhula two pairs nesting in same bush, SNOW 1725 ; *P. p. europaea* albinism and melanism, ALESSANDRI 30.

Saltator albicollis melicus **subsp. nov.** Tabogon I., Panama, WETMORE Smithson. misc. Coll. 121 2 : 29.

Sicalis luteola eisenmanni **subsp. nov.** Panama, WETMORE Smithson. misc. Coll. 122 8 : 9.

Spinus cucullatus note, POISSON 1463 ; *S. tristis* incubating for 23 days, BERGER 170.

Spizella pusilla in Ontario, TERRILL 1850, MITCHENER 1277.

Telophorus zeylonus observations at nest, ROBINSON 1562.

Zonotrichia albicollis experiments under controlled light, WOLFSON 2063 ; *Z. leucophrys gambelii* winter note, MEWALDT & FARNER 1260 ; cyclic changes in liver and spleen weights, OAKESON 1381 ; taxonomic note, TODD 1833.

COEREBIDAE

Diglossa baritula coelestis **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66 : 136 ; *D. caerulescens ginesi* **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 65 : 97 ; *D. cyanea obscura* **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 65 : 98.

THRAUPIDAE (olim TANAGRIDAE)

Anisognathus lacrymosus pallidorsalis **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 65 : 99.

Hemisphingus frontalis flavidorsalis **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66 : 140.

Piranga olivacea in Nova Scotia, LEWIS 1104.

Tersina viridis life history, SCHAEFER 1616.

Thyopsis fulviceps obsuriceps **subsp. nov.** Venezuela, PHELPS & PHELPS Proc. biol. Soc. Wash. 66 : 139.

PLOCEIDAE

Systematic note, DELACOUR 470.

Amblyospiza albifrons kasaika **subsp. nov.** Kasansa, Congo, SCHOUTEDEN Rev. Zool. Bot. afr. 48 : 240.

Euplectes progné delacouri **nom. nov.** for *Diatropura progné ansorgei*, WOLTERS Bull. B.O.C. 73 : 32.

Heterhyphantes golandi status, GRANT & MACKWORTH-PRAED 686.

Hypargos nitidulus virginiae **subsp. nov.** Fernando Po, AMADON Bull. Amer. Mus. nat. Hist. 100 : 432.

Lonchura malacca gregalis **subsp. nov.** Philippines, SALOMONSEN 1604a (p. 265).

Ploceus cucullatus, *P. capitalis* and *P. luteolus* habits and eggs., GUICHARD 710; *P. megarhynchus* review, ABDULALI 25; *P. ocularis* life history, SKEAD 1705.

PASSERIDAE

Passer domesticus enlarging nesting-site, BOURNE 256; sexual behaviour, BARRAUD 122; precocious sexual development, DAVIS 453; winter sleep, EICHLER & KRUBER 523; social feeding, HEYDER 808; increase in Mexico, LOETSCHER 1123; nest within that of *Buteo jamaicensis*, MORE-JOHN 1296; body weight and wing length, NIETHAMMER 1356; distribution, SUDILOVSKAYA 1807; sexual development under artificial light, VAUGIEN 1930; *P. domesticus* with *P. hispaniolensis* colouring, BODENSTEIN 223; *P. hispaniolensis* biological study and economic importance, BACH-KIROFF 99; *P. montanus* geographical races, BOETTICHER 238; development of young, MEISE 1250; *P. rutilans annectans* **subsp. nov.** Khasi, Assam, KOELZ J. zool. Soc. India 4: 154.

ICTERIDAE

Agelaius assimilis 15 years old, DAVIS 454; *A. phoeniceus* winter feeding habit, FISCHER 569; Canadian races, SNYDER & LAPWORTH 1731.

Cassidix mexicanus nesting in New Jersey, McLAUGHLIN 1175.

Icterus gularis nesting in Texas, GRIMES 695.

Quiscalus quisqualis natural hybridization, HUNTINGTON 877; *Q. q. aeneus* ringing results in Michigan, LUDWIG 1135.

Sturnella magna "invading" city boulevard, WEST 1999.

STURNIDAE

Acridotheres caistatellus status in Vancouver I., GUIGNET 711; *A. tristis* distribution in South Africa, CALDER 351.

Gracupica migricollis display, BOURLIÈRE 252.

Lamprocolius chalybeus avicultural notes, ADAMSON 27.

Lamprolornis chalybaeus amadoni **nom. nov.** for *L. c. hartlaubi*, *L. morio boettcheri* **nom. nov.** for *Onychomorio shelleyi*, WOLTERS 2066; *L. mevestii* breeding note, BENSON 163.

Pastor roseus French note, MENU 1254.

Sturnus sinensis colour variation, HALL 738; *S. vulgaris* photo of abnormal bill, ANON. 5; in Manitoba, BECKET 141; in Quebec, BLEAKNEY 214; in Vancouver Island, PEARSE 1419; nesting in Washington State, BRADEN 265; note, CHATTAWAY 378; unable to see in red light, DIJKGRAAF 489; Californian records, GLOVER 650; second broods in N. America, KESSEL 964; distribution and migration in N. America, KESSEL 965; note, LEHNER 1092; abnormal beaks, LEVICK & COULSON 1102; spring migration in Finland, LEHTORANTA 1094; in Fiji, MANSON-BAHR 1194; in Jamaica, TAYLOR 1843; German studies, SCHÜZ 1651, WALLRAFF 1983; results from ringing nestlings, VERHEYEN & GRELL 1946; strange nest site, ZIMMERMANN 2106.

PICARTHARTIDAE

Picathartes oreas note, KIEFFER 970.

ORIOIIDAE

Oriolus nigripennis alleni **subsp. nov.** Liberia, AMADON Ann. Amer. Mus. nat. Hist. 100: 436; *O. oriolus* eats potatoe beetles, RAULS 1514; Swiss note on migration of young, ZINDER 2109.

DICRURIDAE

Chibia bracteata nest building, LEITCH 1096.

PTILONORHYNCHIDAE

Intestine length, CLELAND 402; Bower-building and breeding notes, STRESEMANN 1798.

Chlamydera nuchalis playground note, HOPKINS 859.

CORVIDAE

Anting habits, GOODWIN 673.

Callaeas cinerea wilsoni nest note, MCKENZIE 1168.

Calocitta formosa nesting observations, SKUTCH 1713.

Coracia pyrrhocorax French note, LAFERRÈRE 1055.

Corvus albus nidification, DEKEYSER & VILLIERS 468; *C. brachyrhynchus* fishing behaviour, HULSE & ATKESON 874; *C. corax* air combats, BERGMANN 176; aerial assembly in December, LOCKLEY 1121; in Württemberg, LÖHRL 1125; breeding note, SOMMERFELD 1734; *C. c. jordansi* **subsp. nov.** Canary Islands, NIETHAMMER Bonn. Zool. Beitr. 4: 74; *C. cornix* in Würzburg in summer, ROSENBERGER 1576; *C. corone* catching trout, KUMERLOEVE 1029; behaviour notes, TINBERGEN & OTHERS 1880; *C. c. cornix* migration and winter habits in Schleswig-Holstein WESTERNHAGEN 2005; *C. cryptoleucus* individual variation, BAUMEL 139; *C. fugilegus* Würzburg rookery, BRUNS 312; increase of rookeries in Belgium, DELMÉE 472; "mottled" birds, FORDHAM 584; Cheshire nests, HENDERSON 792; food habits [in Czech with Russian resumé], JIRŠÍK 917; observations in Finistère, France, LEBEURIER 1086; deformed bills, RASMUSSEN 1513; food choice, SPEYER & BOCKMANN 1742; nesting note from Spain, VALVERDE 1922; breeding in Shetland, VENABLES 1938; in German towns, VOLKMANN 1967; *C. leucognathus* vestigial wing claws, BAUMEL 138; *C. macrorhynchus* and *C.*

enca Malay notes, CAIRNS 349; *C. monedula* communal spirit, MANSON-BAHR 1190.

Garrulus glandarius Swiss spring note, CHARVOZ 377; a pest in Russia, SIROETCHKOVSKI 1704; nesting in hollow trees, TUTT 1902, GOODWIN 668; geographical clinal variation, VOOS 1969; *G. g. caledoniensis* **subsp. nov.** Scotland, HAZELWOOD & GORTON Bull. Brit. orn. Cl. 73: 1; *G. japonicus shimoizumii* **subsp. nov.** Izu, Japan, MOMIYAMA Zool. Mag. Tokyo 51: 380; *G. glandarius* and *G. lanceolatus* comparative behaviour studies, GOODWIN 666; *G. lanceolatus* habits in captivity, GOODWIN 667.

Nucifraga caryocatactes food storage, SUTTER & AMANN 1812.

Pica pica annoys swallow colony, BRENECKE 274; attacking *Passer domesticus*, BUB 316; in Ontario, GRINGAN 428; attacking *Falco subbuteo*, MAYO 1229; observations in field and in captivity, RINGLEBEN 1548; *P. p. galliae* biology, LABITTE 1049; *P. p. pica* general biology, BAHRMANN 103.

STREPERIDAE
(or CRATICIDAE)

Taxonomic note, AMADON 55.

